

L Number	Hits	Search Text	DB	Time stamp
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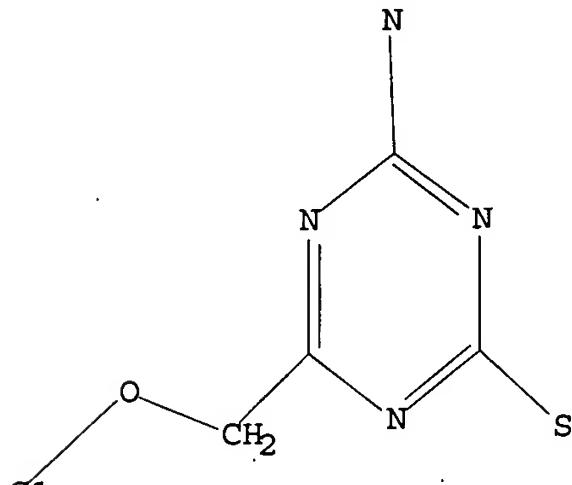
10/005,064 (amended subgenus)

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L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS

L1 STR



G1 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 19:08:21 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 44 TO 476
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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FULL SEARCH INITIATED 19:08:30 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 188 TO ITERATE

100.0% PROCESSED 188 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L3 11 SEA SSS FUL L1

=> d his

(FILE 'HOME' ENTERED AT 19:07:45 ON 10 FEB 2004)

FILE 'REGISTRY' ENTERED AT 19:07:51 ON 10 FEB 2004

L1 STRUCTURE UPLOADED

L2 0 S L1 SSS SAM

L3 11 S L1 SSS FUL

10/005,064 (amended subgenus)

FILE 'CAPLUS' ENTERED AT 19:08:54 ON 10 FEB 2004

=> s 13
L4

2 L3

=> d 14 1-2 bib,ab,hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449663 CAPLUS
 DN 137:20391
 TI Preparation of substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
 IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
 PA CV Therapeutics, Inc., USA
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		
OS	MARPAT	137:20391			
AB	Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO2, covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SOO-2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR6 , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prepd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.				
IT	435338-29-7P, N-[6-[[4-(tert-Butyl)phenoxy]methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine 435338-38-8P 435338-50-4P 435338-53-7P 435338-56-0P				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU				

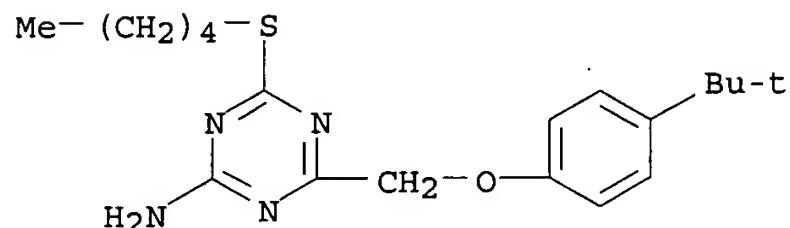
10/005,064 (amended subgenus)

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels
promoting cholesterol efflux)

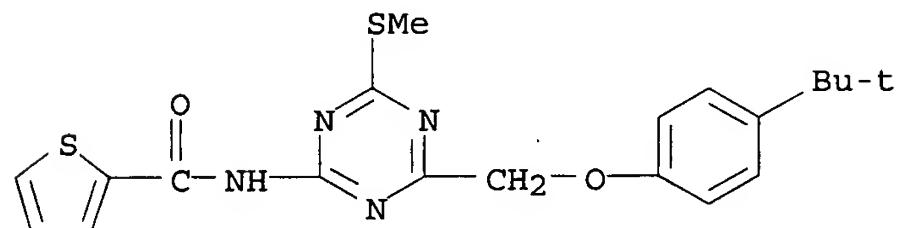
RN 435338-29-7 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-
(pentylthio)- (9CI) (CA INDEX NAME)



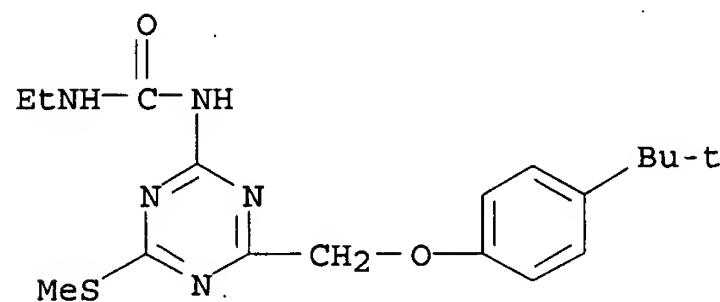
RN 435338-38-8 CAPLUS

CN 2-Thiophenecarboxamide, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-
(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



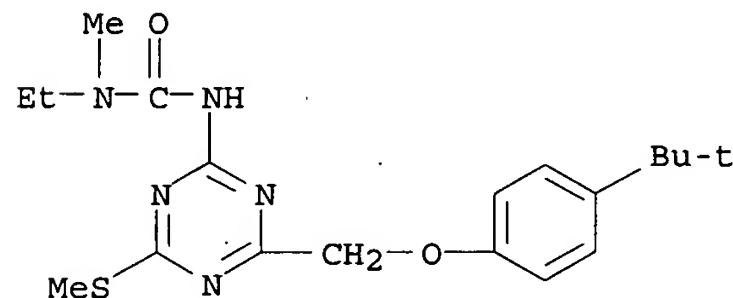
RN 435338-50-4 CAPLUS

CN Urea, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-
triazin-2-yl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 435338-53-7 CAPLUS

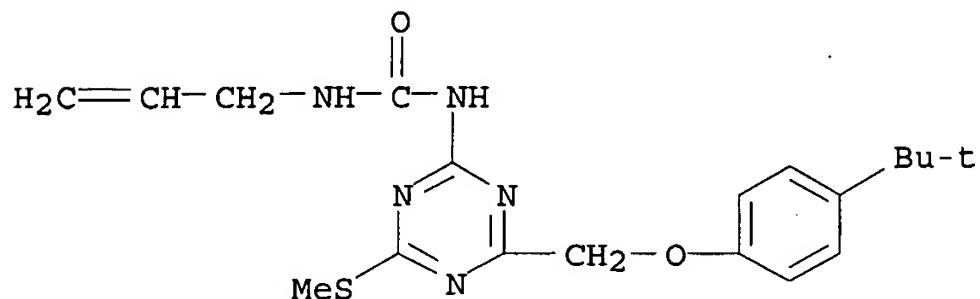
CN Urea, N'-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-
triazin-2-yl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)



10/005,064 (amended subgenus)

RN 435338-56-0 CAPLUS

CN Urea, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)

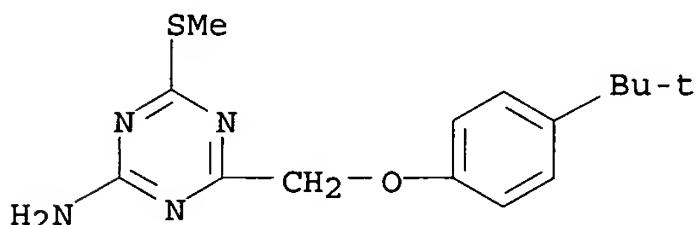


IT 435338-35-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels
promoting cholesterol efflux)

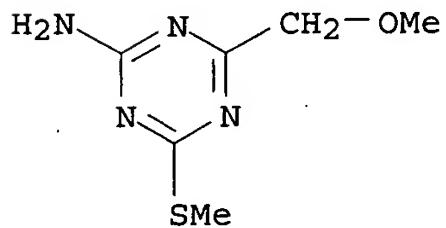
RN 435338-35-5 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:532221 CAPLUS
 DN 113:132221
 TI Preparation of N-arylsulfonyl-N'-triazinylurea derivatives as herbicides
 IN Levitt, George
 PA du Pont de Nemours, E. I., and Co., USA
 SO U.S., 74 pp. Cont.-in-part of U.S. 4,305,884.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 8

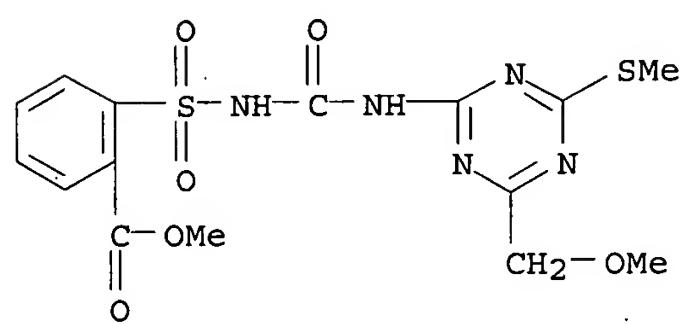
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4892946	A	19900109	US 1980-209307	19801124
	US 4394506	A	19830719	US 1979-98781	19791130
	US 4305884	A	19811215	US 1980-171355	19800723
	AU 547325	B2	19851017	AU 1983-13286	19830408
	AU 8313286	A1	19830804		
PRAI	US 1979-98781		19791130		
	US 1980-171355		19800723		
	US 1978-910965		19780530		
	US 1978-965070		19781130		
	US 1979-15341		19790301		
	US 1979-29281		19790413		
	AU 1979-47545		19790529		
	US 1979-49149		19790618		
	US 1980-119165		19800206		
OS	MARPAT 113:132221				
AB	The title urea derivs. [I; R = C1-12 alkoxy, C3-10 alkenyloxy, alkynyoxy, 1-indolinyl, etc.; R2 = NCO, CF ₃ SO ₂ NH, etc.; R3 = H, Me, Cl, Br, F; W = O, S; X = H, Cl, Me, alkoxy, etc.; Y = H, F, Cl, Br, C1-4 alkyl, etc.; Z = N, CH] are prep'd. and are useful as herbicides. To a soln. of isocyanate deriv. II in MeCN was added in small portions at room temp. triazine deriv. III to give the urea deriv. I (R = X = MeO, R2 = 5-NCO, R3 = H, W = O, Y = Me, Z = N). Among approx. 50 I prep'd. 20 were tested to show pre- and post-emergent herbicidal activity at 0.05 g/ha against a wide variety of weeds.				
IT	129346-28-7				
	RL: PROC (Process)				
	(addn. of, with benzenesulfonyl isocyanate deriv.)				
RN	129346-28-7 CAPLUS				
CN	1,3,5-Triazin-2-amine, 4-(methoxymethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)				



IT 129346-34-5P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prep'n. of, as herbicide)
 RN 129346-34-5 CAPLUS
 CN Benzoic acid, 2-[[[[[4-(methoxymethyl)-6-(methylthio)-1,3,5-triazin-2-

10/005,064 (amended subgenus)

yl]amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



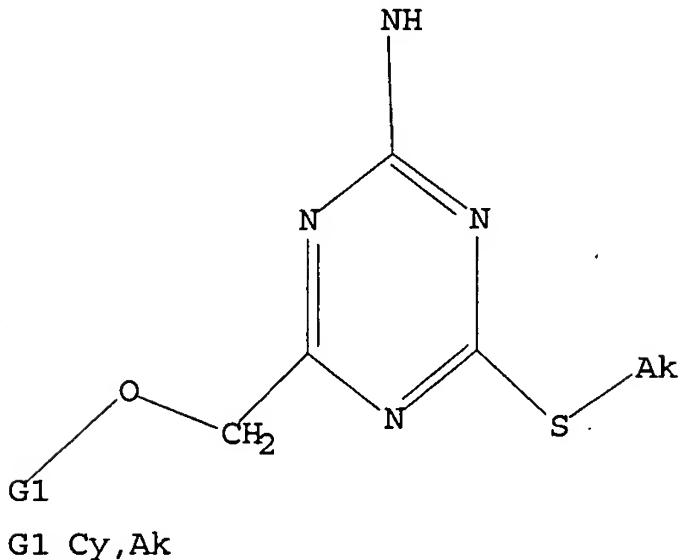
10/005,064 (amended subgenus)

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L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS

L1 STR



G1 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 19:03:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 13 TO ITERATE

100.0% PROCESSED 13 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
PROJECTED ITERATIONS: 44 TO 476
PROJECTED ANSWERS: 0 TO 0

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FULL SCREEN SEARCH COMPLETED - 188 TO ITERATE

100.0% PROCESSED 188 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L3 11 SEA SSS FUL L1

=> s 13
L4 2 L3

=> d 14 1-2 bib,ab,hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449663 CAPLUS
 DN 137:20391
 TI Preparation of as substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
 IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
 PA CV Therapeutics, Inc., USA
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		
OS	MARPAT	137:20391			
AB	Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO2, covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SOO-2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR6 , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prep'd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.				
IT	435338-29-7P, N-[6-[[4-(tert-Butyl)phenoxy]methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine 435338-38-8P 435338-50-4P 435338-53-7P 435338-56-0P				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU				

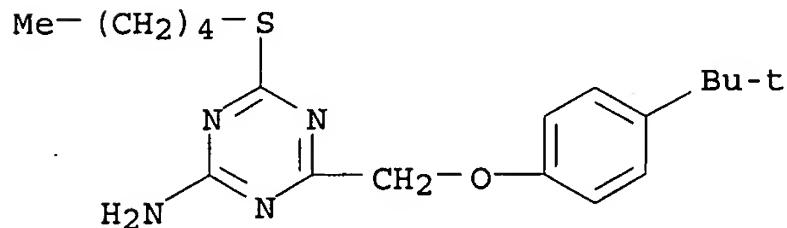
10/005,064 (amended subgenus)

(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels
promoting cholesterol efflux)

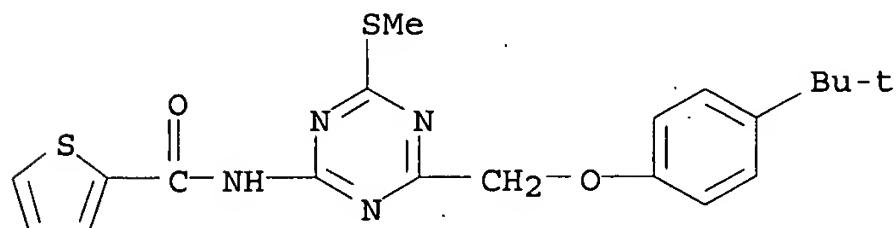
RN 435338-29-7 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-
(pentylthio)- (9CI) (CA INDEX NAME)



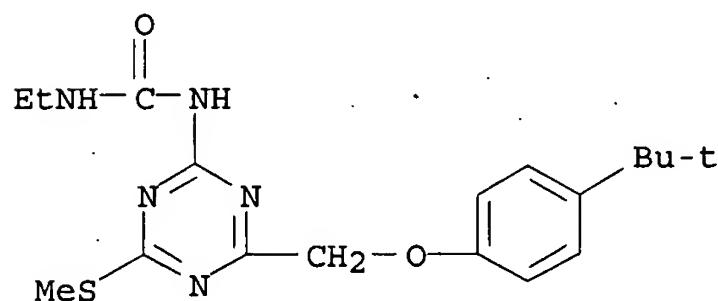
RN 435338-38-8 CAPLUS

CN 2-Thiophenecarboxamide, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-
(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)



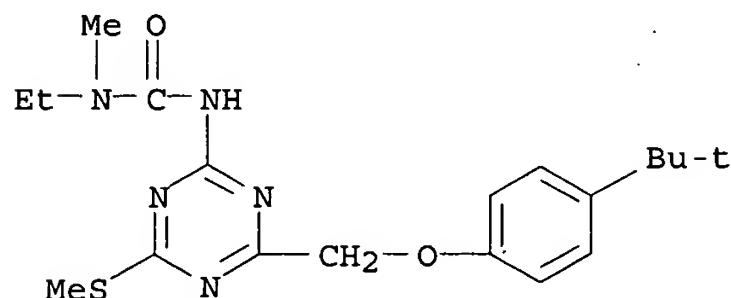
RN 435338-50-4 CAPLUS

CN Urea, N-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-
triazin-2-yl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 435338-53-7 CAPLUS

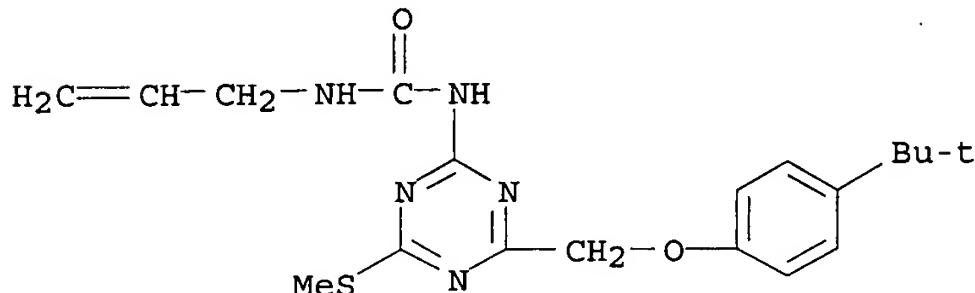
CN Urea, N'-[4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-
triazin-2-yl]-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)



10/005,064 (amended subgenus)

RN 435338-56-0 CAPLUS

CN Urea, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)

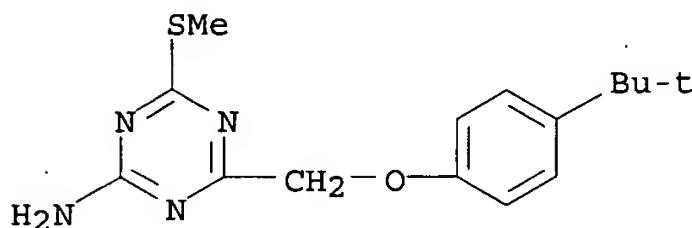


IT 435338-35-5

RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels
promoting cholesterol efflux)

RN 435338-35-5 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1990:532221 CAPLUS
 DN 113:132221
 TI Preparation of N-arylsulfonyl-N'-triazinylurea derivatives as herbicides
 IN Levitt, George
 PA du Pont de Nemours, E. I., and Co., USA
 SO U.S., 74 pp. Cont.-in-part of U.S. 4,305,884.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4892946	A	19900109	US 1980-209307	19801124
	US 4394506	A	19830719	US 1979-98781	19791130
	US 4305884	A	19811215	US 1980-171355	19800723
	AU 547325	B2	19851017	AU 1983-13286	19830408
	AU 8313286	A1	19830804		
PRAI	US 1979-98781		19791130		
	US 1980-171355		19800723		
	US 1978-910965		19780530		
	US 1978-965070		19781130		
	US 1979-15341		19790301		
	US 1979-29281		19790413		
	AU 1979-47545		19790529		
	US 1979-49149		19790618		
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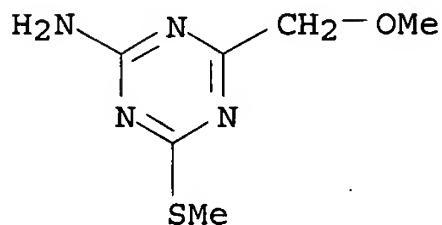
OS MARPAT 113:132221
 AB The title urea derivs. [I; R = C1-12 alkoxy, C3-10 alkenyloxy, alkynyoxy, 1-indolinyl, etc.; R2 = NCO, CF₃SO₂NH, etc.; R3 = H, Me, Cl, Br, F; W = O, S; X = H, Cl, Me, alkoxy, etc.; Y = H, F, Cl, Br, C1-4 alkyl, etc.; Z = N, CH] are prep'd. and are useful as herbicides. To a soln. of isocyanate deriv. II in MeCN was added in small portions at room temp. triazine deriv. III to give the urea deriv. I (R = X = MeO, R2 = 5-NCO, R3 = H, W = O, Y = Me, Z = N). Among approx. 50 I prep'd. 20 were tested to show pre- and post-emergent herbicidal activity at 0.05 g/ha against a wide variety of weeds.

IT 129346-28-7

RL: PROC (Process)
 (addn. of, with benzenesulfonyl isocyanate deriv.)

RN 129346-28-7 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-(methoxymethyl)-6-(methylthio) - (9CI) (CA INDEX NAME)



IT 129346-34-5P

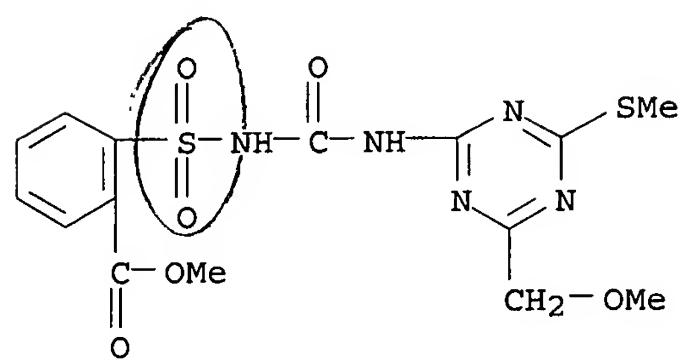
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as herbicide)

RN 129346-34-5 CAPLUS

CN Benzoic acid, 2-[[[[[4-(methoxymethyl)-6-(methylthio)-1,3,5-triazin-2-

10/005,064 (amended subgenus)

yl]amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



10/005,064 (amended subgenus)

=> d his

(FILE 'HOME' ENTERED AT 19:02:37 ON 10 FEB 2004)

FILE 'REGISTRY' ENTERED AT 19:02:42 ON 10 FEB 2004

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 11 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 19:03:27 ON 10 FEB 2004

L4 2 S L3

FILE 'CAOLD' ENTERED AT 19:03:52 ON 10 FEB 2004

=> s l3
L5 0 L3

=> log y

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

FULL ESTIMATED COST

0.42

TOTAL
SESSION
166.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY

CA SUBSCRIBER PRICE

0.00

TOTAL
SESSION
-1.39

STN INTERNATIONAL LOGOFF AT 19:04:06 ON 10 FEB 2004

10/005,064 (amended subgenus)

=> d his

(FILE 'HOME' ENTERED AT 19:07:45 ON 10 FEB 2004)

FILE 'REGISTRY' ENTERED AT 19:07:51 ON 10 FEB 2004

L1 STRUCTURE UPLOADED
L2 0 S L1 SSS SAM
L3 11 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 19:08:54 ON 10 FEB 2004

L4 2 S L3

FILE 'CAOLD' ENTERED AT 19:09:22 ON 10 FEB 2004

=> s l3.

L5 0 L3

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	166.42
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.39

STN INTERNATIONAL LOGOFF AT 19:09:32 ON 10 FEB 2004

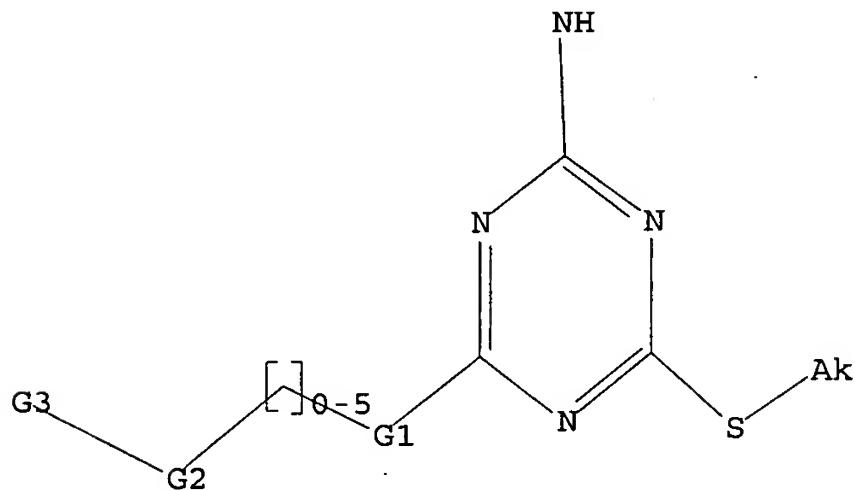
10/005,064 (amended claims 41-43)

=>
Uploading 10005064 (amended claim 38-43).str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

Cb 1



G1 C,O
G2 O,S,N,SO2
G3 Hy,[@1]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam
SAMPLE SEARCH INITIATED 18:53:15 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 50 TO ITERATE

100.0% PROCESSED 50 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 576 TO 1424
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

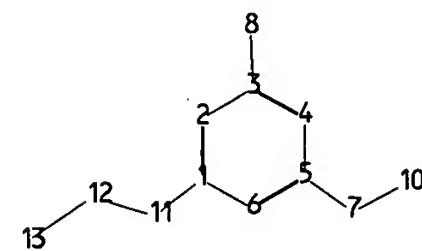
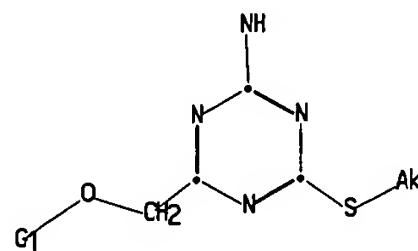
=> s l1 sss ful
FULL SEARCH INITIATED 18:53:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 954 TO ITERATE

100.0% PROCESSED 954 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> s l3
L4 1 L3

=> d l4 bib,ab,hitstr



chain nodes :
7 10 11 12 13
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8
chain bonds :
1-11 3-8 5-7 7-10 11-12 12-13
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
3-8 7-10 12-13
exact bonds :
1-11 5-7 11-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:Cy, Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS 13:CLASS

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:449663 CAPLUS
 DN 137:20391
 TI Preparation of substituted 1,3,5-triazine derivatives as ABCA-1 elevating compounds
 IN Campbell, Michael; Zablocki, Jeff A.; Ibrahim, Prabha N.
 PA CV Therapeutics, Inc., USA
 SO PCT Int. Appl., 65 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002046172	A2	20020613	WO 2001-US46387	20011203
	WO 2002046172	A3	20030206		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2002039508	A5	20020618	AU 2002-39508	20011203
	EP 1341773	A2	20030910	EP 2001-987273	20011203
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2002128266	A1	20020912	US 2001-5064	20011204
	US 2002082257	A1	20020627	US 2001-11016	20011205
	US 2002111364	A1	20020815	US 2001-10602	20011206
	US 6548548	B2	20030415		
	NO 2003002587	A	20030731	NO 2003-2587	20030606
PRAI	US 2000-251916P	P	20001207		
	US 2001-313274P	P	20010817		
	WO 2001-US46387	W	20011203		
OS	MARPAT	137:20391			
AB	Title compds. I [m, n, p = 0-1; A = CZ1, CZ1NH, SO ₂ , covalent bond; Z1= O, S; R1 = H, alk(en/yn)yl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R2 = H, alkyl, cycloalkyl or R1-2 and A when taken together with the nitrogen atom to which they are attached form a nitrogen bearing heterocycle; R3 = alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; R4 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; T = O, SO ₂ -2, NR5; R5 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; X1-3 = CR ₆ , N; R6 = H, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; with the proviso that at least one of X1-3 = N; Y1 = alkylene, carbonyl; Y2 = alkylene, O; Z = S, O, NR5] were prep'd. Examples include several synthetic compds., assays for the effect of I on cellular ABCA-1 gene expression using the pGL3 luciferase reporter vector system, a lipid efflux assay, ability of I to stimulate cholesterol efflux from cells and detn. of ABCA-1 expression and HDL levels. For instance, the acid chloride of 4-tert-butylphenoxyacetic acid was reacted with an appropriately substituted carboxamidine (prepn. given) to afford II. I elevate cellular expression of the ABCA-1 gene, promoting cholesterol efflux from cells and increasing HDL levels in the plasma. I are useful for treating coronary artery disease.				
IT	435338-29-7P, N-[6-[(4-(tert-Butyl)phenoxy)methyl]-4-pentylthio-1,3,5-triazine-2-yl]amine 435338-33-3P 435338-38-8P 435338-47-9P, N-[(3,5-Dimethoxyphenyl)aminomethyl]-4-methylthio-1,3,5-triazine-2-yl]amine 435338-50-4P 435338-53-7P				

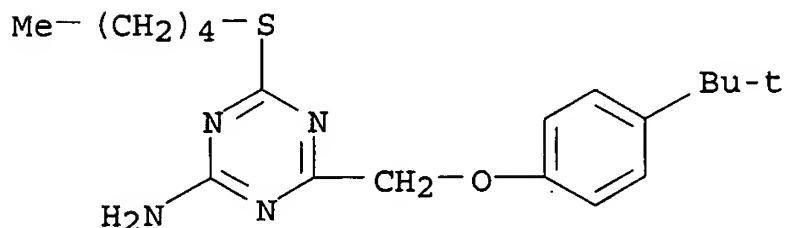
435338-56-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels promoting cholesterol efflux)

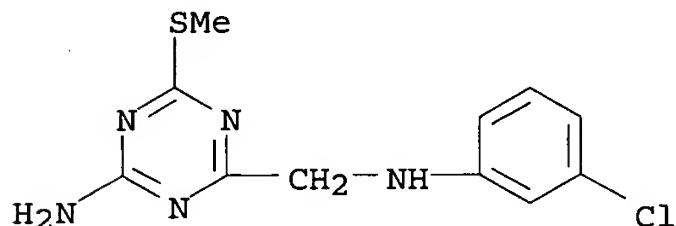
RN 435338-29-7 CAPLUS

CN 1,3,5-Triazin-2-amine, 4-[[4-(1,1-dimethylethyl)phenoxy]methyl]-6-(pentylthio)- (9CI) (CA INDEX NAME)



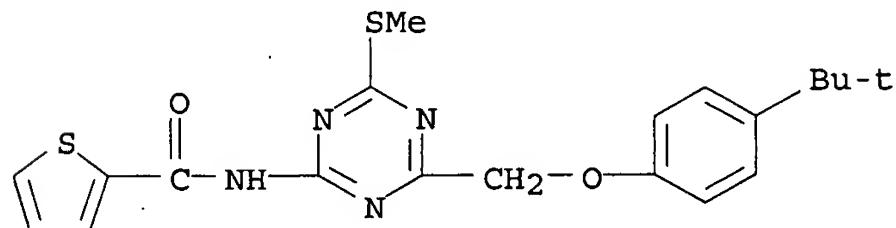
RN 435338-33-3 CAPLUS

CN 1,3,5-Triazine-2-methanamine, 4-amino-N-(3-chlorophenyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



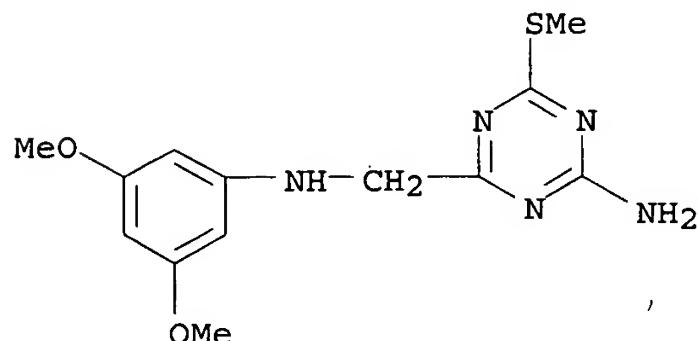
RN 435338-38-8 CAPLUS

CN 2-Thiophenecarboxamide, N-[[4-[(1,1-dimethylethyl)phenoxy]methyl]-6-(methylthio)-1,3,5-triazin-2-yl]- (9CI) (CA INDEX NAME)

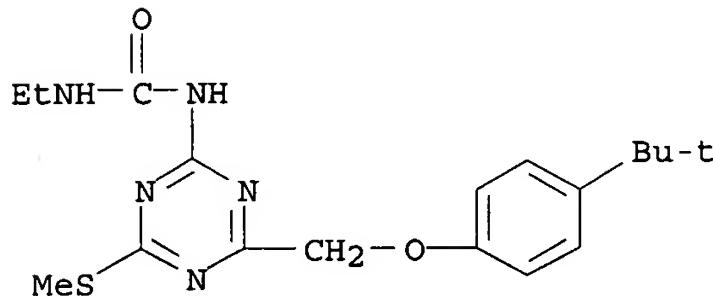


RN 435338-47-9 CAPLUS

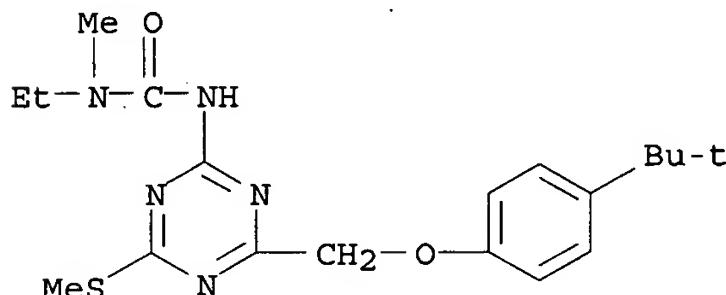
CN 1,3,5-Triazine-2-methanamine, 4-amino-N-(3,5-dimethoxyphenyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



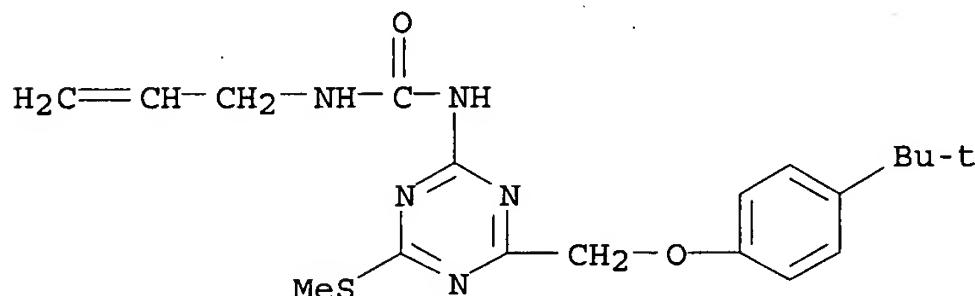
RN 435338-50-4 CAPLUS
 CN Urea, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-ethyl- (9CI) (CA INDEX NAME)



RN 435338-53-7 CAPLUS
 CN Urea, N'-(4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-triazin-2-yl)-N-ethyl-N-methyl- (9CI) (CA INDEX NAME)

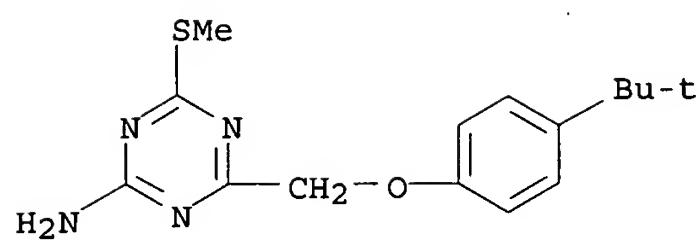


RN 435338-56-0 CAPLUS
 CN Urea, N-[4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)-1,3,5-triazin-2-yl]-N'-2-propenyl- (9CI) (CA INDEX NAME)



IT 435338-35-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant; 1,3,5-triazine derivs that elevate cellular ABCA-1 levels
 promoting cholesterol efflux)
 RN 435338-35-5 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-[(4-(1,1-dimethylethyl)phenoxy)methyl]-6-(methylthio)- (9CI) (CA INDEX NAME)

10/005,064 (amended claims 41-43)



10/005,064 (amended claims 41-43)

=> d his

(FILE 'HOME' ENTERED AT 18:51:36 ON 10 FEB 2004)

FILE 'REGISTRY' ENTERED AT 18:52:38 ON 10 FEB 2004

L1 STRUCTURE uploaded
L2 0 S L1 SSS SAM
L3 14 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 18:53:28 ON 10 FEB 2004

L4 . 1 S L3

FILE 'CAOLD' ENTERED AT 18:55:59 ON 10 FEB 2004

=> s 13

L5 O L3

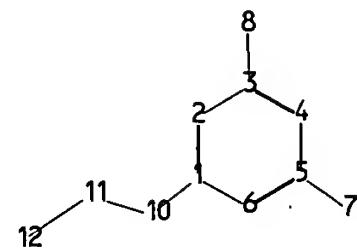
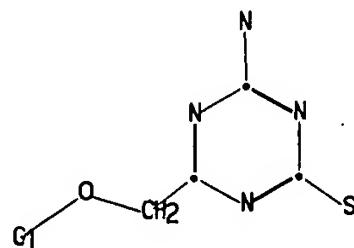
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COST IN U.S. DOLLARS

FULL ESTIMATED COST 0.42 162.77

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL

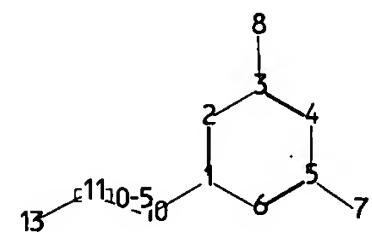
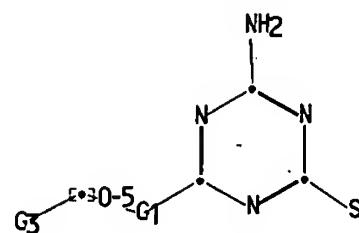
STN INTERNATIONAL LOGOFF AT 18:56:09 ON 10 FEB 2004



chain nodes :
7 10 11 12
ring nodes :
1 2 3 4 5 6
ring/chain nodes :
8
chain bonds :
1-10 3-8 5-7 10-11 11-12
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
3-8 11-12
exact bonds :
1-10 5-7 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:Cy, Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
12:CLASS



chain nodes :
 7 10 11
 ring nodes :
 1 2 3 4 5 6
 ring/chain nodes :
 8 13
 chain bonds :
 1-10 3-8 5-7 10-11 11-13
 ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 exact/norm bonds :
 1-10 3-8 10-11 11-13
 exact bonds :
 5-7
 normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6
 isolated ring systems :
 containing 1 :

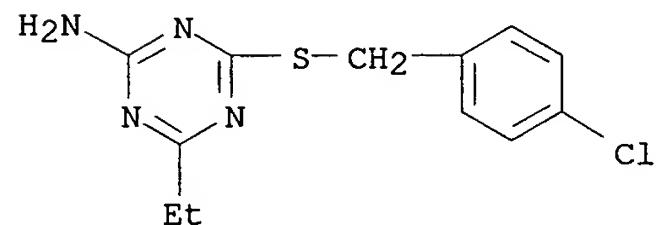
G1:C,O

G2:O,S,N,SO2

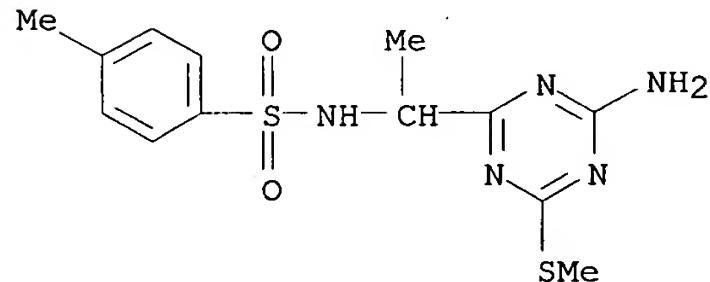
G3:Cy,Ak

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
 13:CLASS

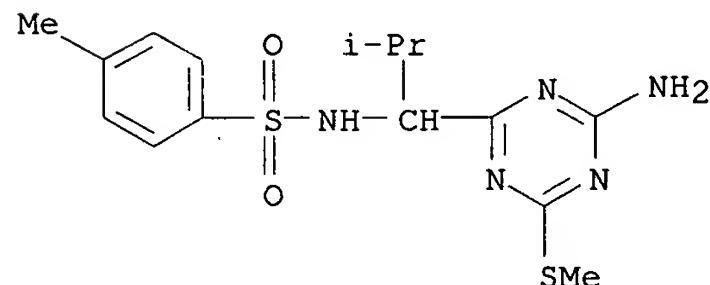
L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:598262 CAPLUS
 DN 107:198262
 TI Synthesis of substituted 2-amino-4-benzylthio-1,3,5-triazines from
 isothiuronium salts and carboxylic anhydrides
 AU Radics, Ute; Mitzner, Elke; Liebscher, Juergen
 CS Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040, Ger. Dem. Rep.
 SO Zeitschrift fuer Chemie (1986), 26(12), 435-7
 CODEN: ZECEAL; ISSN: 0044-2402
 DT Journal
 LA German
 OS CASREACT 107:198262
 AB The cyclocondensation of RCH₂SC(NH₂):NH₂⁺ Br⁻ (R = Ph, 4-ClC₆H₄, 4-BrC₆H₄)
 with (R₁CO)₂O (R₁ = Me, Et) in pyridine gave triazines I in moderate
 yields.
 IT 111039-46-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 111039-46-4 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-[[[4-chlorophenyl)methyl]thio]-6-ethyl- (9CI)
 (CA INDEX NAME)



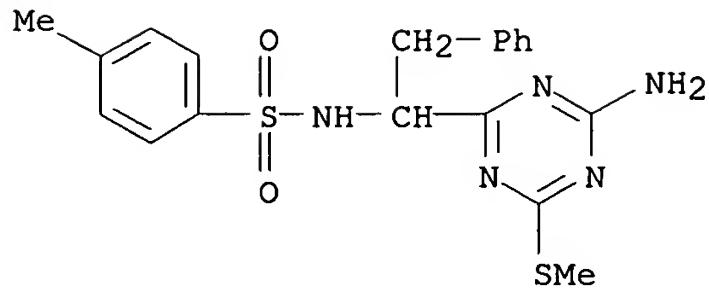
L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1976:554963 CAPLUS
 DN 85:154963
 TI Pesticides derived from amino acids
 AU Maekawa, K.; Taniguchi, E.; Kuwano, E.; Shuto, Y.
 CS Fac. Agric., Kyushu Univ., Fukuoka, Japan
 SO Environmental Quality and Safety, Supplement (1975), 3(Pesticides), 748-53
 CODEN: EQSSDX; ISSN: 0340-4714
 DT Journal
 LA English
 AB Benzimidazole derivs. of amino acids and peptides contg. hydrophilic moieties, e.g., benzyloxycarbonylaminomethyl, inhibited the growth of radish seedlings and barnyard grass. 2-(1-Amino-2-phenylethyl)benzimidazole (I) [60603-62-5] (100 ppm) was active against tobacco mosaic virus. 2-[1-(Benzylaminocarbonyl)-2-(3-indolyl)ethyl]benzimidazole [60603-49-8] and 2-[1-(benzyloxycarbonylamino)-4-guanidylbutyl]benzimidazole [60627-28-3] promoted rice seedling growth but inhibited barnyard grass. Several decarboxylated benzimidazole amino acid derivs. were also fungicidal.
 IT 35541-06-1 35541-07-2 35541-08-3
 35541-09-4 60603-84-1 60603-86-3
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (herbicidal and pesticidal activity of)
 RN 35541-06-1 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



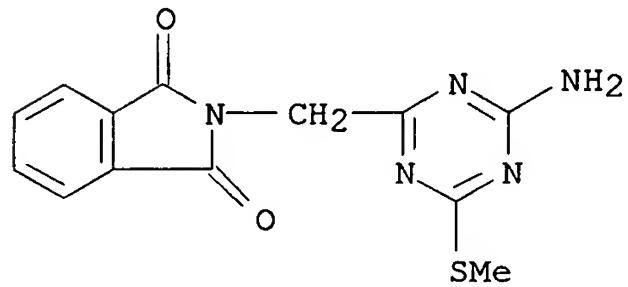
RN 35541-07-2 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)



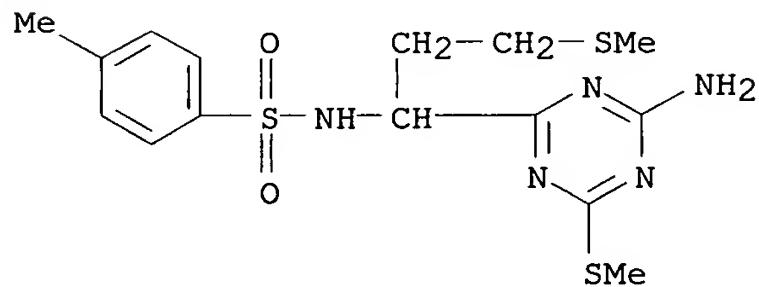
RN 35541-08-3 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)



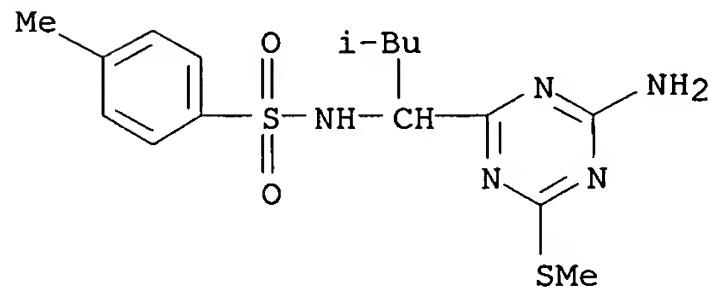
RN 35541-09-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)



RN 60603-84-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-(methylthio)propyl]-4-methyl- (9CI) (CA INDEX NAME)



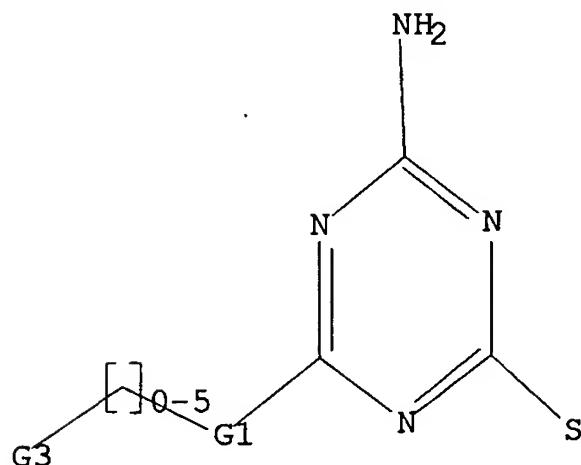
RN 60603-86-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-methylbutyl]-4-methyl- (9CI) (CA INDEX NAME)



=>
Uploading 10005064 (amended 4).str

L1 STRUCTURE UPLOADED

=> d 11
L1 HAS NO ANSWERS
L1 STR



G1 C,O
G2 O,S,N,SO2
G3 Cy,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam
SAMPLE SEARCH INITIATED 18:05:35 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 51 TO ITERATE

100.0% PROCESSED 51 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 592 TO 1448
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s 11 sss ful
FULL SEARCH INITIATED 18:05:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 959 TO ITERATE

100.0% PROCESSED 959 ITERATIONS 41 ANSWERS
SEARCH TIME: 00.00.01

L3 41 SEA SSS FUL L1

=> s 13
L4 19 L3

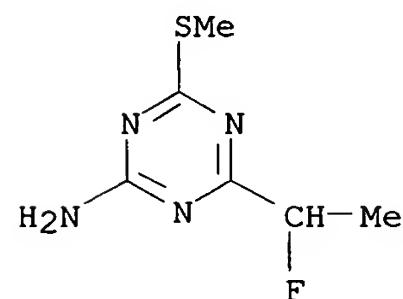
=> s 14 1-19 bib,ab,hitstr
MISSING OPERATOR L4 1-19

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

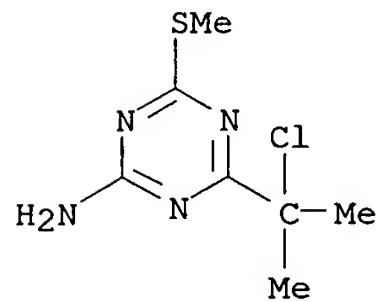
=> d 14 1-19 bib,ab,hitstr

L4 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2000:33533 CAPLUS
 DN 132:78575
 TI Procedure for the production of 2-amino-4-chloro-1,3,5-triazines
 IN Zindel, Juergen; Hollander, Jens; Minn, Klemens; Willms, Lothar
 PA Hoechst Schering Agrevo G.m.b.H., Germany
 SO Ger. Offen., 20 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

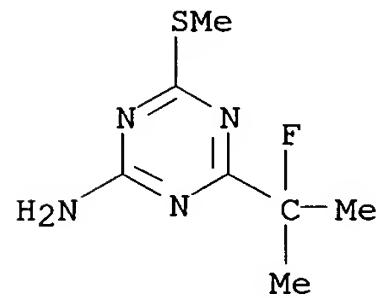
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PI	DE 19830902	A1	20000113	DE 1998-19830902	19980710
	WO 2000002868	A1	20000120	WO 1999-EP4581	19990702
	W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9949048	A1	20000201	AU 1999-49048	19990702
	BR 9911975	A	20010327	BR 1999-11975	19990702
	EP 1097146	A1	20010509	EP 1999-932785	19990702
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002520321	T2	20020709	JP 2000-559099	19990702
	ZA 2000006795	A	20020221	ZA 2000-6795	20001121
PRAI	DE 1998-19830902	A	19980710		
	WO 1999-EP4581	W	19990702		
OS	CASREACT 132:78575; MARPAT 132:78575				
AB	Herbicidal (no data) 2-amino-4-chloro-1,3,5-triazines are prepd. by chlorinating the 4-methylthio analogs in AcOH with Cl at room temp. Thus, 2-amino-4-methylthio-6-(1-fluoroisopropyl)-1,3,5-triazine, prepd. by treating S-methylguanylisothiourea methylsulfate with 2-fluoroisobutyryl chloride, was chlorinated with Cl in AcOH at 20-25.degree. for 15 min., kept at 20.degree. for 30 min., purged with N at room temp. for 1 h, and poured into ice-cold aq. NaOH to give 80% 2-amino-4-chloro-6-(1-fluoroisopropyl)-1,3,5-triazine.				
IT	253870-31-4 253870-35-8				
	RL: RCT (Reactant); RACT (Reactant or reagent) (prodn. of 2-amino-4-chloro-1,3,5-triazines from 4-methylthio analogs)				
RN	253870-31-4 CAPLUS				
CN	1,3,5-Triazin-2-amine, 4-(1-fluoroethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)				



RN 253870-35-8 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-(1-chloro-1-methylethyl)-6-(methylthio)- (9CI)
 (CA INDEX NAME)

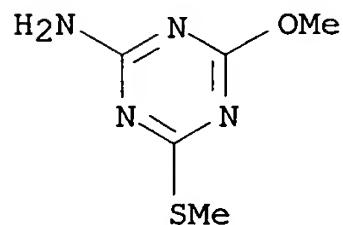


IT 253870-30-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (prodn. of 2-amino-4-chloro-1,3,5-triazines from 4-methylthio analogs)
 RN 253870-30-3 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-(1-fluoro-1-methylethyl)-6-(methylthio)- (9CI)
 (CA INDEX NAME)

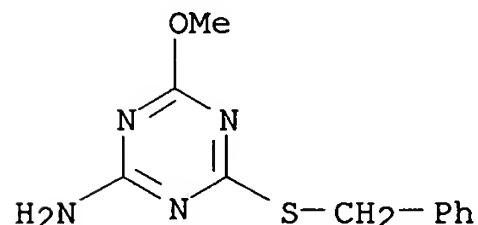


L4 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:97201 CAPLUS
 DN 126:117993
 TI Preparation of 4,6-disubstituted-2-amino-s-triazines.
 IN Weiss, Stefan
 PA SKW Trostberg Ag, Germany
 SO Ger. Offen., 6 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

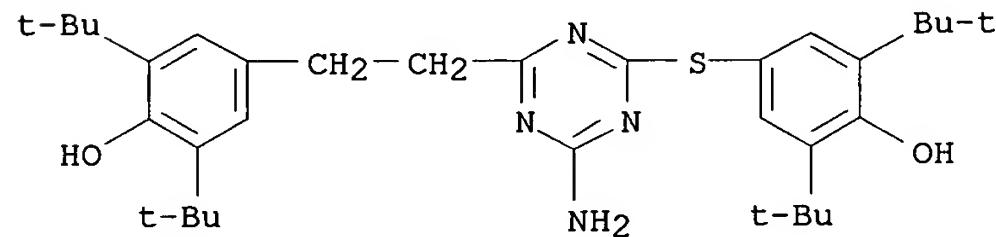
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19523206	A1	19970102	DE 1995-19523206	19950627
PRAI	DE 1995-19523206		19950627		
OS	CASREACT 126:117993; MARPAT 126:117993				
AB	4,6-Disubstituted-2-amino-s-triazines [I; X, Z = O, S; R1, R2 = aliphatyl, araliphatyl, (substituted) aryl], were prepd. by reaction of R1X(R3X)C:NC.tplbond.C (R3 = alkyl, aryl, aralkyl) with R2ZC(:NH)NH2 at -30.degree. to 150.degree. in H ₂ O and/or an org. solvent. Thus, O-methylisourea was stirred with di-Me N-cyaniimidocarbonate in MeOH at 0.degree. to room temp. to give 92% 2-amino-4,6-dimethoxy-s-triazine.				
IT	30358-18-0P, 2-Amino-4-methoxy-6-methylthio-s-triazine 185980-70-5P, 2-Amino-4-benzylmercapto-6-methoxy-s-triazine RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation) (prepn. of 4,6-disubstituted-2-amino-s-triazines)				
RN	30358-18-0	CAPLUS			
CN	1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)				



RN 185980-70-5 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)

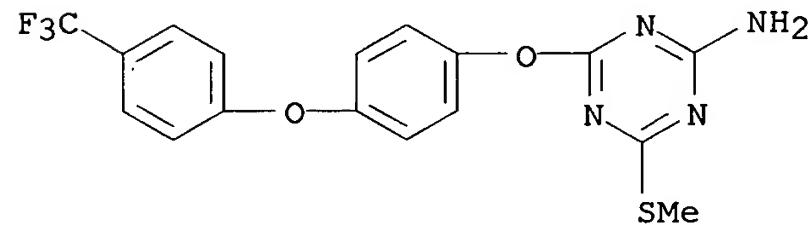


L4 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1995:422014 CAPLUS
 DN 122:218034
 TI Effect of azoles and sym-triazines with hindered-phenol substituents on anticorrosion properties of turbine oils
 AU Koshelev, V. N.; Kelarev, V. I.; Belov, N. V.; Malova, O. V.; Osipov, S. L.; Spirkin, V. G.
 CS GANG im. I. M. Gubkina, Russia
 SO Khimiya i Tekhnologiya Topliv i Masel (1995), (1), 19-20
 CODEN: KTPMAG; ISSN: 0023-1169
 PB Izdatel'stvo "Neft i Gaz"
 DT Journal
 LA Russian
 AB Seven imidazolines , 2 benzimidazolines, and 4 sym-triazines substituted with 2,5-bis(tert-butyl)-4-hydroxyphenyls are evaluated as H₂S corrosion inhibitors for turbine oils. Six of these compds. decreased decreased H₂S (concn. 0.4-55 wt.%) corrosion rate substantially.
 IT 114811-87-9
 RL: MOA (Modifier or additive use); USES (Uses)
 (hydrogen sulfide corrosion inhibitors for turbine oils)
 RN 114811-87-9 CAPLUS
 CN Phenol, 4-[[4-amino-6-[2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethyl]-1,3,5-triazin-2-yl]thio]-2,6-bis(1,1-dimethylethyl)-(9CI) (CA INDEX NAME)

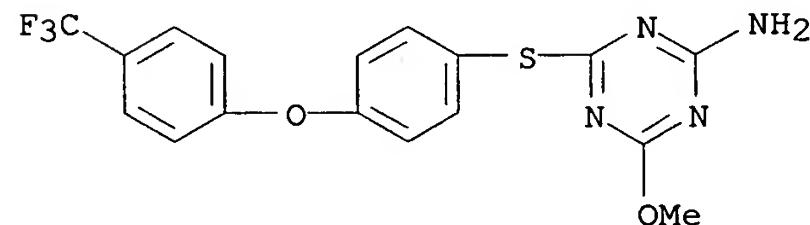


L4 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1994:557677 CAPLUS
 DN 121:157677
 TI Preparation of pyrimidine and triazine derivatives as herbicides
 IN Myazaki, Masahiro; Sugiyama, Kazuhiko; Suzuki, Chiharu; Nezu, Masao;
 Kajiwara, Ikuo; Ooi, Hideo
 PA Kumiai Chemical Industry Co, Japan; Ihara Chemical Ind Co
 SO Jpn. Kokai Tokkyo Koho, 27 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

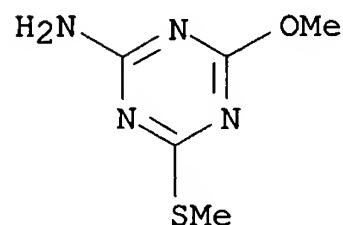
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06073022	A2	19940315	JP 1992-250444	19920827
PRAI	JP 1992-250444		19920827		
OS	MARPAT 121:157677				
AB	The title compds. I [R1 = H, alkyl, etc.; R2 = alkyl, etc.; X = O, S, etc.; Y = O, methylene, etc.; Z = N, etc.; A = substituted Ph, pyridine, etc.; B = substituted Ph, etc.] are prep'd. Treatment of phenoxyphenol deriv. II with NaH in DMF, followed by reaction with chloropyrimidine III, gave pyrimidine deriv. IV. IV at 400 g/10 are gave .gtoreq.90% control of Monochoria vaginalis.				
IT	157485-66-0P 157485-82-0P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of, as herbicide)				
RN	157485-66-0 CAPLUS				
CN	1,3,5-Triazin-2-amine, 4-(methylthio)-6-[4-[4-(trifluoromethyl)phenoxy]phenoxy]- (9CI) (CA INDEX NAME)				



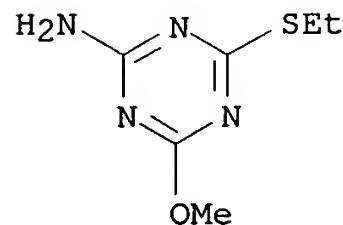
RN 157485-82-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-[[4-[4-(trifluoromethyl)phenoxy]phenyl]thio]- (9CI) (CA INDEX NAME)



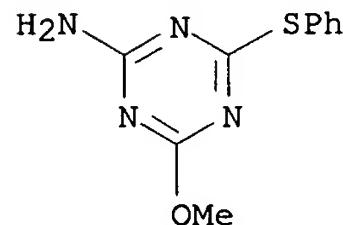
L4 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:81764 CAPLUS
 DN 114:81764
 TI 2-Amino-4-methoxy-6-alkyl(aryl)thio-1,3,5-triazines
 AU Lotz, S.; Gattow, G.
 CS Inst. Anorgan. Chem., Univ. Mainz, Mainz, Germany
 SO Zeitschrift fuer Anorganische und Allgemeine Chemie (1990), 585, 151-6
 CODEN: ZAACAB; ISSN: 0044-2313
 DT Journal
 LA German
 OS CASREACT 114:81764
 AB Cyclization reaction of MeOC(:NH)NHC(:NH)NH₂ with ClCS₂R (R = Me, Et, Ph) gave <10% title compds. I along with MeOC(:NH)NHC(:NH)NHCS₂R. Mass, electronic, IR, and NMR spectra of I were discussed.
 IT 30358-18-0P 131244-74-1P 131244-75-2P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and spectra of)
 RN 30358-18-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



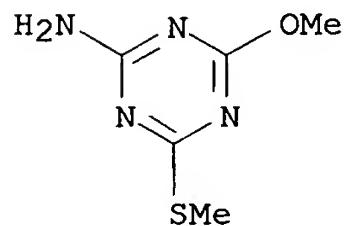
RN 131244-74-1 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-(ethylthio)-6-methoxy- (9CI) (CA INDEX NAME)



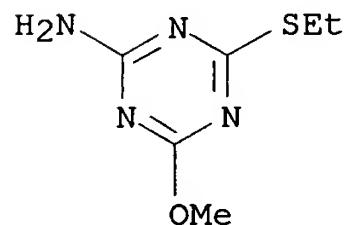
RN 131244-75-2 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(phenylthio)- (9CI) (CA INDEX NAME)



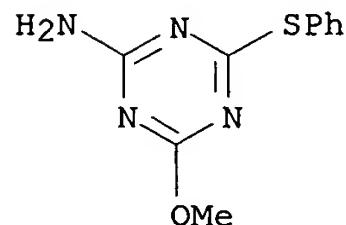
L4 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1991:23399 CAPLUS
 DN 114:23399
 TI On chalcogenolates. 196. Studies on N-(methoxycarbimidoyl)guanidine. 2.
 Reactions with esters of chlorodithioformic acid
 AU Lotz, S.; Gattow, G.
 CS Inst. Anorgan. Chem., Univ. Mainz, Mainz, Germany
 SO Zeitschrift fuer Anorganische und Allgemeine Chemie (1990), 585, 142-50
 CODEN: ZAACAB; ISSN: 0044-2313
 DT Journal
 LA German
 OS CASREACT 114:23399
 AB Reaction of MeOC(:NH)NHC(:NH)NH₂ with ClCS₂R (R = Me, Et, Ph) in THF gave 15-53% MeOC(:NH)NHC(:NH)CS₂R (I; same R) plus 4-9% triazines II. UV, IR, NMR, and mass spectra of I and their related tautomers are discussed.
 IT 30358-18-0P 131244-74-1P 131244-75-2P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prep. of)
 RN 30358-18-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



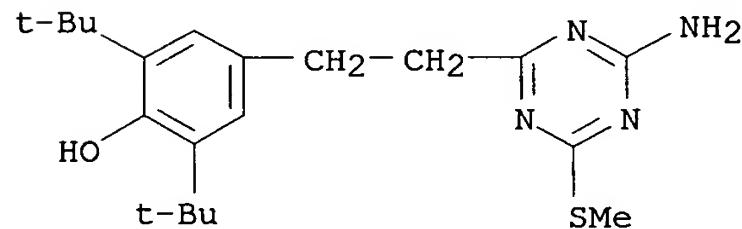
RN 131244-74-1 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-(ethylthio)-6-methoxy- (9CI) (CA INDEX NAME)



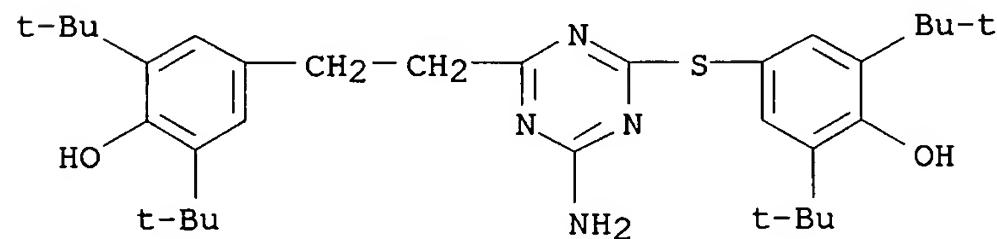
RN 131244-75-2 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(phenylthio)- (9CI) (CA INDEX NAME)



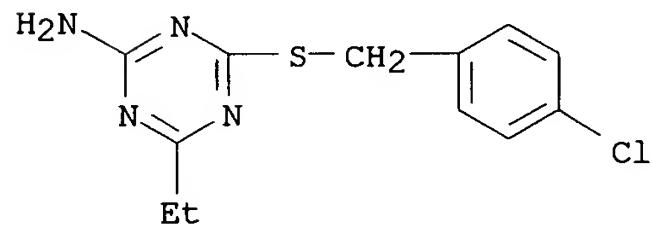
L4 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1988:406482 CAPLUS
 DN 109:6482
 TI Synthesis and properties of sym-triazine derivatives. 6. Synthesis of 2-amino- and 2,4-diamino-sym-triazines, containing fragments of sterically hindered phenol
 AU Kelarev, V. I.; Laauad Yahia, F.; Karakhanov, R. A.; Lunin, A. F.; Vinokurov, V. A.
 CS Mosk. Inst. Neftekhim. Gazov. Prom., Moscow, USSR
 SO Khimiya Geterotsiklicheskikh Soedinenii (1987), (10), 1392-7
 CODEN: KGSSAQ; ISSN: 0453-8234
 DT Journal
 LA Russian
 OS CASREACT 109:6482
 AB Cyclocondensation reaction of $\text{RCH}_2\text{CH}_2\text{CONHC}(:\text{NH})\text{NH}_2$ ($\text{R} =$ 4-hydroxy-3,5-di-tert-butylphenyl throughout this abstr.) with R_1CN ($\text{R}_1 =$ Me, pentyl, CCl_3 , Ph, PhCH_2 , RCH_2CH_2 , RSCH_2CH_2 , MeS , RS) gave 62-87% aminotriazines I (same R , R_1). Reaction of $\text{RCH}_2\text{CH}_2\text{CO}_2\text{Me}$ with $\text{R}_2\text{R}_3\text{NC}(:\text{NH})\text{NHC}(:\text{NH})\text{NH}_2$ ($\text{R}_2 =$ Me, Et, H; $\text{R}_3 =$ Me, Et, Ph, octadecyl) gave 75-85% diaminotriazines II (same R_2 , R_3).
 IT 114811-86-8P 114811-87-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 114811-86-8 CAPLUS
 CN Phenol, 4-[2-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-2,6-bis(1,1-dimethylethyl)-(9CI) (CA INDEX NAME)



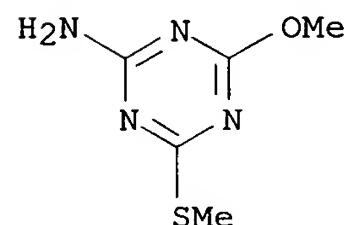
RN 114811-87-9 CAPLUS
 CN Phenol, 4-[2-[4-amino-6-[2-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]ethyl]-1,3,5-triazin-2-yl]thio]-2,6-bis(1,1-dimethylethyl)-(9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1987:598262 CAPLUS
 DN 107:198262
 TI Synthesis of substituted 2-amino-4-benzylthio-1,3,5-triazines from isothiuronium salts and carboxylic anhydrides
 AU Radics, Ute; Mitzner, Elke; Liebscher, Juergen
 CS Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040, Ger. Dem. Rep.
 SO Zeitschrift fuer Chemie (1986), 26(12), 435-7
 CODEN: ZECEAL; ISSN: 0044-2402
 DT Journal
 LA German
 OS CASREACT 107:198262
 AB The cyclocondensation of RCH₂SC(NH₂):NH₂⁺ Br⁻ (R = Ph, 4-ClC₆H₄, 4-BrC₆H₄) with (R₁CO)₂O (R₁ = Me, Et) in pyridine gave triazines I in moderate yields.
 IT 111039-46-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prep. of)
 RN 111039-46-4 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-[[[4-chlorophenyl)methyl]thio]-6-ethyl- (9CI)
 (CA INDEX NAME)



L4 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1984:591788 CAPLUS
 DN 101:191788
 TI Synthesis and structure elucidation of 3-methoxy-1-methyl-1H-1,2,4-triazol-5-amine and 5-methoxy-1-methyl-1H-1,2,4-triazol-3-amine
 AU Selby, T. P.; Lepone, G. E.
 CS Agric. Chem. Dep., E. I. du Pont de Nemours and Co., Inc., Wilmington, DE, 19898, USA
 SO Journal of Heterocyclic Chemistry (1984), 21(1), 61-4
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 OS CASREACT 101:191788
 AB Reaction of NCN:C(OMe)2 with MeNHNH2 affords a high yield of 3-methoxy-1-methyl-1H-1,2,4-triazol-5-amine (I) rather than the regioisomer 5-methoxy-1-methyl-1H-1,2,4-triazol-3-amine (II). The structure assignment of I was confirmed by x-ray crystallog. anal. of the benzenesulfonyl isocyanate adduct. II was obtained after reacting NCN:C(OMe)(SMe) with MeNHNH2.
 IT 30358-18-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 30358-18-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:422486 CAPLUS
 DN 99:22486
 TI Fluoroalkoxyaminopyrimidines and -triazines
 IN Meyer, Willy
 PA Ciba-Geigy A.-G. , Switz.
 SO Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 70804	A2	19830126	EP 1982-810300	19820712
	EP 70804	A3	19830525		
	EP 70804	B1	19870408		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	US 4480101	A	19841030	US 1982-396960	19820709
	AT 26445	E	19870415	AT 1982-810300	19820712
	CA 1172253	A1	19840807	CA 1982-407210	19820714
	IL 66320	A1	19860131	IL 1982-66320	19820714
	JP 58023676	A2	19830212	JP 1982-124315	19820716
	JP 04053862	B4	19920827		
	ZA 8205671	A	19830629	ZA 1982-5671	19820805
	US 4579584	A	19860401	US 1982-430635	19820930
	EP 82108	A1	19830622	EP 1982-810414	19821007
	EP 82108	B1	19860813		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
	AT 21392	E	19860815	AT 1982-810414	19821007
	CA 1222756	A1	19870609	CA 1982-413088	19821008
	IL 66957	A1	19860331	IL 1982-66957	19821011
	ZA 8207439	A	19830831	ZA 1982-7439	19821012
	JP 58077870	A2	19830511	JP 1982-179706	19821013
	US 4478635	A	19841023	US 1983-455175	19830103
	ZA 8300127	A	19831026	ZA 1983-127	19830110
	US 4487951	A	19841211	US 1984-571976	19840119
	US 4523944	A	19850618	US 1984-571985	19840119
	US 4565887	A	19860121	US 1984-571986	19840119
	US 4540782	A	19850910	US 1984-641141	19840726
	US 4551531	A	19851105	US 1984-641140	19840726
	CS 244950	B2	19860814	CS 1985-165	19850108
	US 4693741	A	19870915	US 1985-740937	19850603
	US 4944793	A	19900731	US 1985-777899	19850919
	US 4944794	A	19900731	US 1985-777900	19850919
	CA 1222761	A2	19870609	CA 1985-492533	19851008
	US 4944792	A	19900731	US 1986-819431	19860116
PRAI	CH 1981-4667		19810716		
	CH 1981-5075		19810806		
	CH 1981-6541		19811013		
	CH 1982-124		19820111		
	CH 1982-2205		19820408		
	CH 1982-3527		19820608		
	US 1982-396959		19820709		
	US 1982-396960		19820709		
	EP 1982-810300		19820712		
	US 1982-401583		19820726		
	CH 1982-5224		19820902		
	US 1982-430635		19820930		

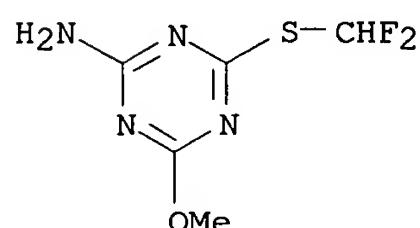
EP 1982-810414	19821007
US 1983-455175	19830103
CA 1983-419094	19830107
CS 1983-183	19830111

AB The title compds. I [R1 = halo, Cl-4 (halo)alkyl, (halo)alkoxy, NR₃R₄ (R₃ = H, Me, Et; R₄ = H, Me, Et, MeO, EtO, MeOCH₂), alkoxyalkyl; R₂ = ZCF₂R₅ (Z = O, S; R₅ = H, CMClF, CMBrF, CHF₂, CHFCF₃); X = N, CH] useful as sulfonylurea herbicide intermediates, were prep'd. Etherifying 62.5 g pyrimidinol II (R₆ = H) with F₂CHCl(g) in aq. NaOH-dioxane in 12 h at 70-5.degree. gave 39.9 g ether II (R₆ = F₂CH) which (1.75 g) added to 2.5 g 2-F₂CHOC₆H₄SO₂NCO in dioxane at 70-5.degree. in 2 h to give 4.0 g urea III.

IT **85821-33-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 85821-33-6 CAPLUS

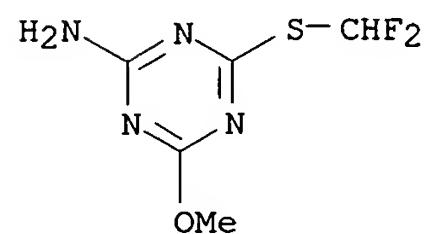
CN 1,3,5-Triazin-2-amine, 4-[(difluoromethyl)thio]-6-methoxy- (9CI) (CA INDEX NAME)



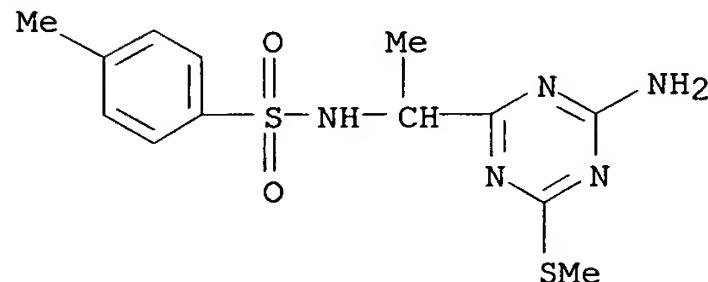
L4 ANSWER 11 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1983:215616 CAPLUS
 DN 98:215616
 TI N-Phenylsulfonyl-N'-pyrimidinyl- and -triazinyl ureas
 IN Meyer, Willy; Foery, Werner
 PA Ciba-Geigy A.-G. , Switz.
 SO Eur. Pat. Appl., 79 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 72347	A1	19830216	EP 1982-810323	19820802
	EP 72347	B1	19851113		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	US 4545811	A	19851008	US 1982-401583	19820726
	AT 16480	E	19851115	AT 1982-810323	19820802
	CS 241510	B2	19860313	CS 1982-5801	19820803
	DD 203223	A5	19831019	DD 1982-242248	19820804
	IL 66460	A1	19851231	IL 1982-66460	19820804
	CA 1231948	A1	19880126	CA 1982-408671	19820804
	DK 8203511	A	19830207	DK 1982-3511	19820805
	DK 159433	B	19901015		
	DK 159433	C	19910318		
	AU 8286770	A1	19830210	AU 1982-86770	19820805
	AU 548397	B2	19851212		
	ZA 8205671	A	19830629	ZA 1982-5671	19820805
	BR 8204597	A	19830726	BR 1982-4597	19820805
	ES 514750	A1	19830801	ES 1982-514750	19820805
	HU 30888	O	19840428	HU 1982-2523	19820805
	HU 190702	B	19861028		
	RO 85266	P	19840929	RO 1982-108379	19820805
	JP 58038264	A2	19830305	JP 1982-137168	19820806
	US 4523944	A	19850618	US 1984-571985	19840119
	US 4540782	A	19850910	US 1984-641141	19840726
	US 4693741	A	19870915	US 1985-740937	19850603
PRAI	CH 1981-5075		19810806		
	CH 1982-2205		19820408		
	CH 1981-4667		19810716		
	CH 1981-6541		19811013		
	CH 1982-124		19820111		
	CH 1982-3527		19820608		
	US 1982-396959		19820709		
	US 1982-396960		19820709		
	US 1982-401583		19820726		
	EP 1982-810323		19820802		
OS	CASREACT 98:215616				
AB	Pyrimidinyl- and triazinylureas I [R = substituted Ph; R1 = H, halo, (un)substituted alkyl, alkoxy, alkylthio; R2 = haloalkoxy, haloalkylthio; X = CH, N; Z = O, S] were prep'd. Thus, 62.5 g II (R3 = H) was treated with F2CHCl to give 39.9 g II (R = CHF2), which (1.75 g) was condensed with 2.5 g 2-F2CHOC6H4SO2NCO to give 4.0 g I (R = 2-F2CHOC6H4; R1 = Me, R2 = OCHF2, X = CH, Z = O) (III). At 4 kg/ha pre-emergence, III gave complete kill of Setaria species. In soybeans, 3 kg III/ha increased the no. of pods 30% and total pod wt. 24%.				
IT	85821-33-6P RL: SPN (Synthetic preparation); PREP (Preparation)				

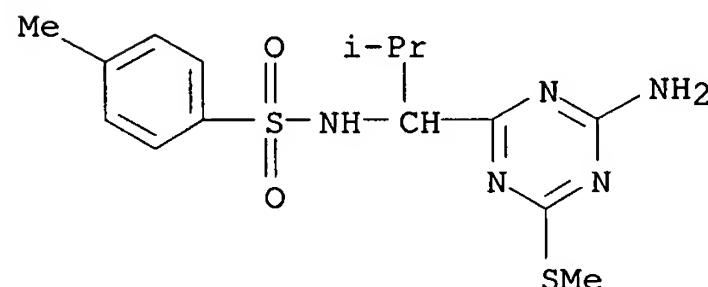
(prepn. and condensation of, with phenylsulfonyl isocyanates)
RN 85821-33-6 CAPLUS
CN 1,3,5-Triazin-2-amine, 4-[(difluoromethyl)thio]-6-methoxy- (9CI) (CA
INDEX NAME)



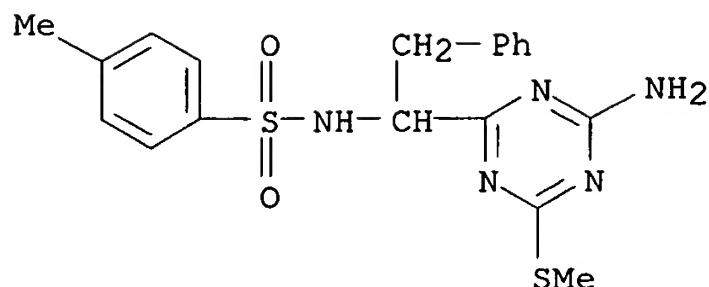
L4 ANSWER 12 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1976:554963 CAPLUS
 DN 85:154963
 TI Pesticides derived from amino acids
 AU Maekawa, K.; Taniguchi, E.; Kuwano, E.; Shuto, Y.
 CS Fac. Agric., Kyushu Univ., Fukuoka, Japan
 SO Environmental Quality and Safety, Supplement (1975), 3(Pesticides), 748-53
 CODEN: EQSSDX; ISSN: 0340-4714
 DT Journal
 LA English
 AB Benzimidazole derivs. of amino acids and peptides contg. hydrophilic moieties, e.g., benzyloxycarbonylaminomethyl, inhibited the growth of radish seedlings and barnyard grass. 2-(1-Amino-2-phenylethyl)benzimidazole (I) [60603-62-5] (100 ppm) was active against tobacco mosaic virus. 2-[1-(Benzylaminocarbonyl)-2-(3-indolyl)ethyl]benzimidazole [60603-49-8] and 2-[1-(benzyloxycarbonylamino)-4-guanidylbutyl]benzimidazole [60627-28-3] promoted rice seedling growth but inhibited barnyard grass. Several decarboxylated benzimidazole amino acid derivs. were also fungicidal.
 IT 35541-06-1 35541-07-2 35541-08-3
 35541-09-4 60603-84-1 60603-86-3
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (herbicidal and pesticidal activity of)
 RN 35541-06-1 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



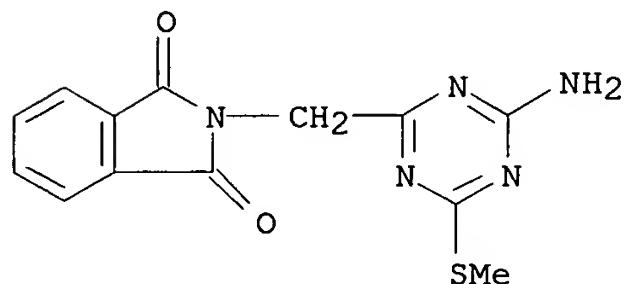
RN 35541-07-2 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)



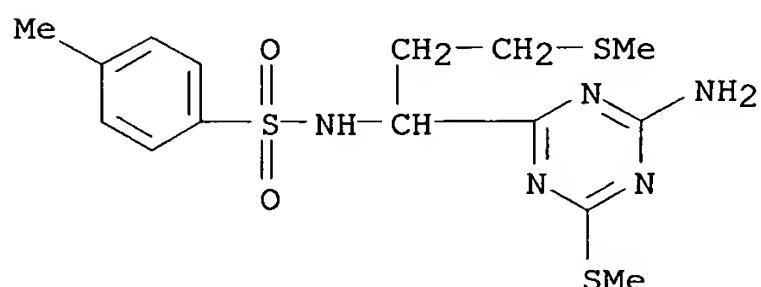
RN 35541-08-3 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)



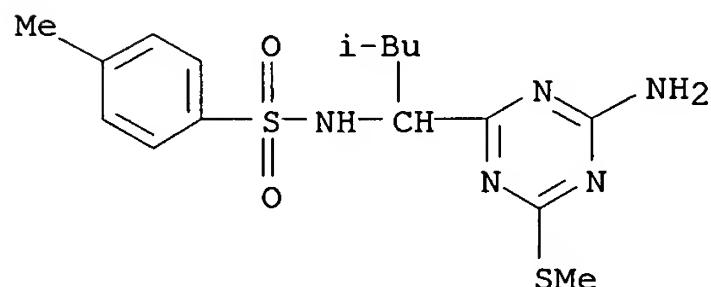
RN 35541-09-4 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)



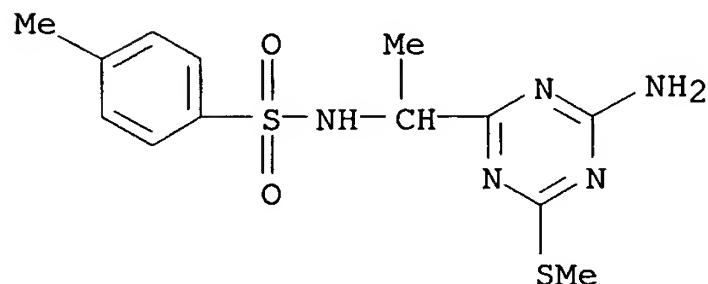
RN 60603-84-1 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-(methylthio)propyl]-4-methyl- (9CI) (CA INDEX NAME)



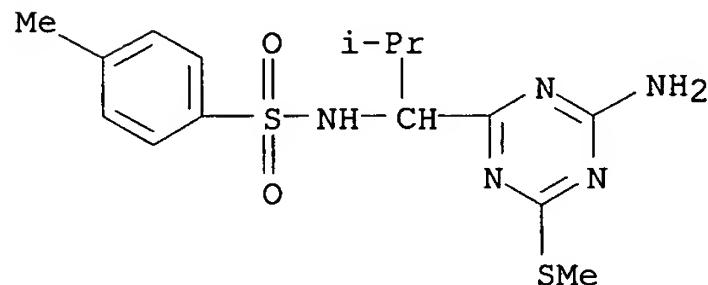
RN 60603-86-3 CAPLUS
CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-3-methylbutyl]-4-methyl- (9CI) (CA INDEX NAME)



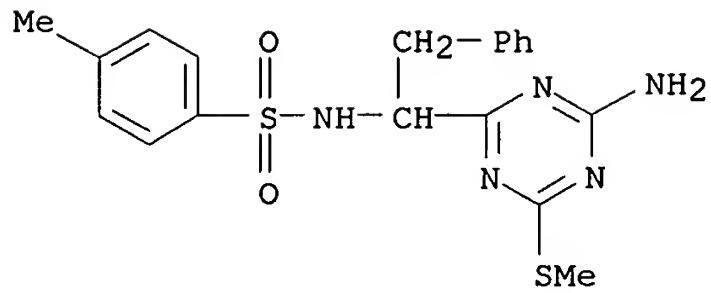
L4 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1972:113179 CAPLUS
 DN 76:113179
 TI Synthesis of 1,3,5-triazines from amino acid derivatives. I
 AU Kuwano, Eiichi; Taniguchi, Eiji; Maekawa, Kazuyuki
 CS Agric. Fac., Kyushu Univ., Fukuoka, Japan
 SO Agricultural and Biological Chemistry (1971), 35(10), 1572-7
 CODEN: ABCHA6; ISSN: 0002-1369
 DT Journal
 LA German
 AB Amino-substituted s-triazines (I) were prep'd. by ring closure of S-methylguanyliso-thiuronium methosulfate (II) or morpholino or dimethylbiguanide with amino acid chlorides contg. N-blocking groups. II was treated with N-tosylglycyl chloride in N-methylpyrrolidone to give I (R = MeS, R1 = 4-MeC₆H₄SO₂NHCH₂). I (R = Me, R1 = morpholino) was obtained from N,N'-(3-oxapentamethylene)biguanide-HCl and AcCl.
 IT 35541-06-1P 35541-07-2P 35541-08-3P
 35541-09-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prep'n. of)
 RN 35541-06-1 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]ethyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 35541-07-2 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-methylpropyl]-4-methyl- (9CI) (CA INDEX NAME)

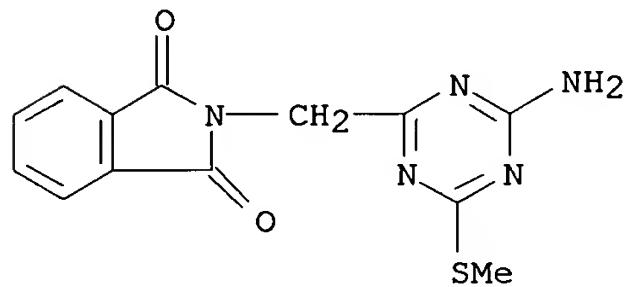


RN 35541-08-3 CAPLUS
 CN Benzenesulfonamide, N-[1-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-2-phenylethyl]-4-methyl- (9CI) (CA INDEX NAME)

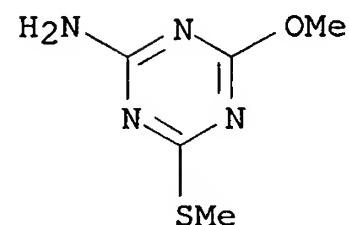


RN 35541-09-4 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]methyl]- (9CI) (CA INDEX NAME)

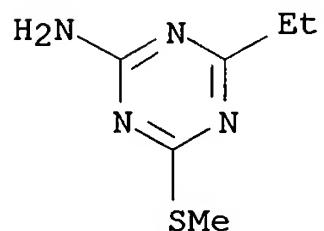


L4 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1970:519790 CAPLUS
 DN 73:119790
 TI Inhibitory effects of s-triazines on nitrification in soil. I.
 Monoamino-s-triazines
 AU Wakabayashi, Ko; Okuzu, Masahiko
 CS Mitsubishi-Kasei-Shohin Kenkyusho, Tokyo, Japan
 SO Nippon Dojo Hiryogaku Zasshi (1970), 41(4), 133-41
 CODEN: NIDHAX; ISSN: 0029-0610
 DT Journal
 LA Japanese
 AB 2,4-Bis(trifluoromethyl)-6-amino(or methylamino)-s-triazines,
 2,4-bis(trichloromethyl)-6-amino(or C1-3 alkyl)amino-s-triazines,
 2-methyl-4-trichloromethyl-6-amino(or C1-3 alkyl)amino-s-triazines, or
 2-ethyl(or haloethyl, vinyl)-4-trichloromethyl-6-amino-s-triazines
 completed inhibited nitrification for at least 30 days.
 IT 30358-18-0
 RL: BIOL (Biological study)
 (nitrification inhibitors)
 RN 30358-18-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)

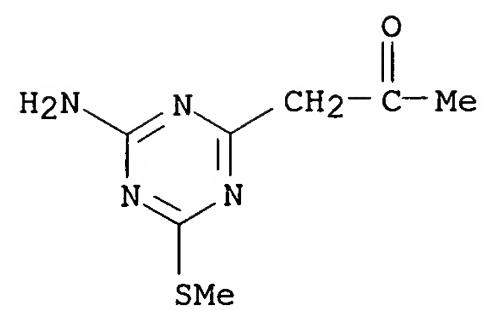


L4 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1969:481429 CAPLUS
 DN 71:81429
 TI 4-Amino-6-(alkylthio)-5-triazines
 PA Badische Anilin- & Soda-Fabrik AG
 SO Fr., 6 pp.
 CODEN: FRXXAK
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1536093 DE 1670147 GB 1191178		19680809	FR DE GB	
PRAI	DE		19660910		
AB	I are dye intermediates. Thus, 5.3 parts ZCOCl (R ₁ = NH ₂ , R ₂ = NO ₂) and 3.3 parts NEt ₃ were added at 15-20.degree. to a soln. of 4.2 parts HN:C(NH ₂)NHC(SMe):NH.HI in 30 parts PhNO ₂ , the mixt. stirred 2 hrs. at 60-5.degree., then 10 hrs. at room temp. to give 5.8 parts I (R = Z, R ₁ = Me, n = 1) (II) (R ₁ = NH ₂ , R ₂ = NO ₂), m. 316-17.degree.. Similarly, other II were prep'd. (R ₁ , R ₂ , % yield, and m.p. given): Cl, H, 81.5, 299-300.degree.; NO ₂ , H, 78.5, 325-6.degree.; NH ₂ , H, 99, 293-6.degree.; NH ₂ , SPh, 98.5, 342-5.degree.; and similarly, with n = 1, I (R = Y, R ₁ = Me) (R ₁ , R ₂ , R ₃ , % yield, and m.p. given): H, H, H, 77, 166-8.degree.; H, Cl, H, 97, 221-3.degree.; Cl, Cl, H, 72.5, 162-4.degree.; H, PhO, H, 62, 134-6.degree.; Cl, H, Me, 83, 138-40.degree.; and I (R = C ₁₃ C, R ₁ = Me), 60%, 177-9.degree.; I (R = AcCH ₂ , R ₁ = Me), 66%, 121-3.degree.; I (R = Ph, R ₁ = CH ₂ Ph), 79%, 145-7.degree.; and also I (R ₁ = Me, n = 1) (R, % yield, and m.p.): Q (R = H), 62, 172-4.degree.; Q (R = O ₂ N), 87, 265-7.degree.; QCH:CH (R = H), 67, 153-5.degree.; QCH:CH (R = O ₂ N), 83, 318-20.degree.; PhCH:CH, 77, 138-40.degree.; Cl ₂ CH, 66, 125-6.degree.; W, 63, 316-17.degree.; Et, 78, 151-2.degree.; CH ₂ :CH, 62, 132-3.degree.; 1-naphthyl, 92, 149-50.degree.; and I (n = 2, R ₁ = Me) (R, %, m.p.): 4-C ₆ H ₄ CH:CHC ₆ H ₄ -4, 82, 320-2.degree.; 4-C ₆ H ₄ N:-NC ₆ H ₄ -4, 92, 149-50.degree..				
IT	23527-93-7P 23603-27-2P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (prep'n. of)				
RN	23527-93-7 CAPLUS				
CN	s-Triazine, 2-amino-4-ethyl-6-(methylthio)- (8CI) (CA INDEX NAME)				

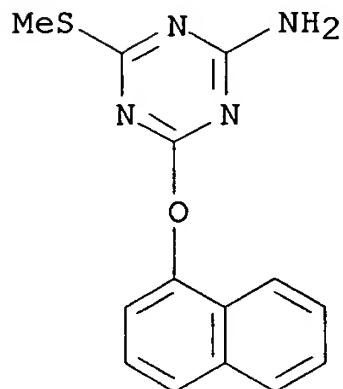


RN 23603-27-2 CAPLUS
 CN 2-Propanone, 1-[4-amino-6-(methylthio)-s-triazin-2-yl]- (8CI) (CA INDEX NAME)

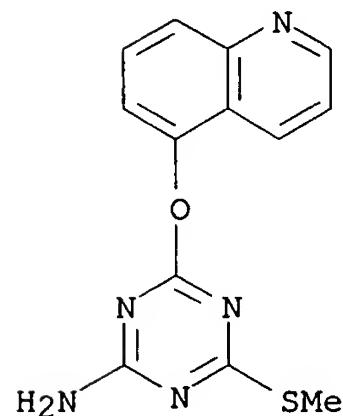


L4 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1966:490709 CAPLUS
 DN 65:90709
 OREF 65:16986g
 TI Substituted s-triazines
 IN Acker, Donald S.
 PA E. I. du Pont de Nemours & Co.
 SO 5 pp.
 DT Patent
 LA Unavailable
 FAN.CNT 1

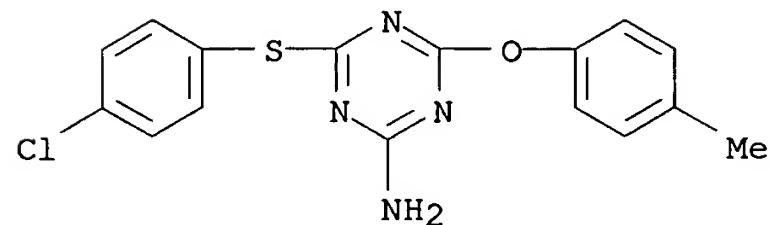
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3267099		19660816	US	19650405
AB	Alkoxy- or alkylmercaptodi-(alkyloxyalkylamino)-s-triazines, such as 2,4-bis(3-methoxy-1-propylamino)-6-methoxy-s-triazine, n25D 1.5228, are made from bis(alkyloxyalkylamino)-s-triazine chloride and metal alkoxides of mercaptides; they are useful as herbicides.				
IT	10422-00-1, s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)-13017-36-2, Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]-13017-37-3, s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)-13166-40-0, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (prepn. of)				
RN	10422-00-1	CAPLUS			
CN	s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)-(7CI, 8CI) (CA INDEX NAME)				



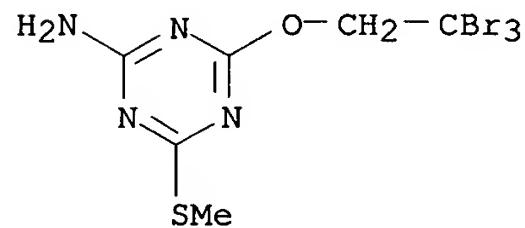
RN 13017-36-2 CAPLUS
 CN Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]-(7CI, 8CI) (CA INDEX NAME)



RN 13017-37-3 CAPLUS
CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI)
(CA INDEX NAME)

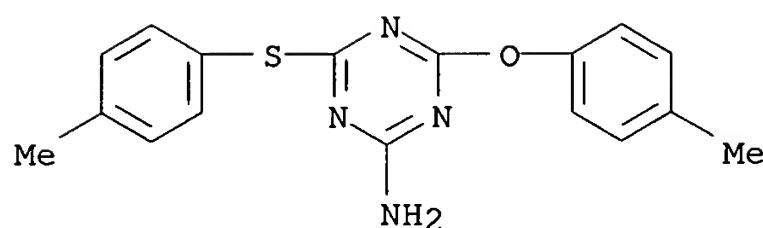


RN 13166-40-0 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI)
(CA INDEX NAME)

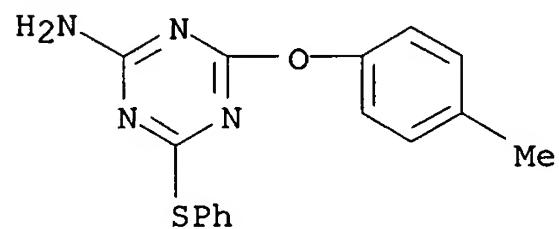


L4 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1966:490708 CAPLUS
 DN 65:90708
 OREF 65:16986e-g
 TI Trisubstituted s-triazines
 IN Grigat, Ernst; Puetter, Rolf
 PA Farbenfabriken Bayer A.-G.
 SO 5 pp.
 DT Patent
 LA Unavailable
 FAN.CNT 1

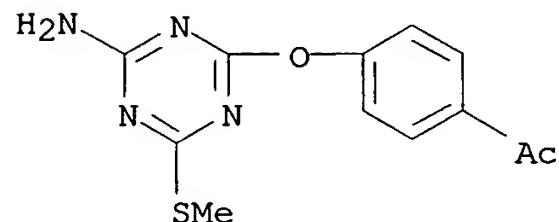
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	DE 1220860		19660714	DE	19640926	
AB	I are prep'd. by treating in the presence of a solvent HN: C(SR1)NH2 (II) with at least 2 moles ROCN (III). Thus, to a mixt. of 8.8 g. II (R1 = Me) sulfate, 50 ml. H2O, 50 ml. alc., and 15.3 g. III (R = 3-ClC6H4) is added dropwise with stirring at 20-5.degree. a soln. of 10.6 g. Na2CO3 in 50 ml. H2O, the mixt. neutralized with N H2SO4, and the ppt. filtered off to give 10 g. I (R = 3-ClC6H4, R1 = Me), m. 199-201.degree. (alc.). Similarly are prep'd. the following I (R, R1, % yield, and m.p., given): 2,4-Me2C6H3, Me, -, 212-13.degree.; 4-MeC6H4, Ph, 77.5, 193.degree.; 4-MeC6H4, 4-MeC6H4, 90, 229.degree.; Cl3CCH2, Me, -, 116.degree.; 4-AcC6H4, Me, -, 254-5.degree.; Ph, 4-tert-Bu-C6H4, -, 202-3.degree.; Ph, 4-MeOC6H4, -, 190-1.degree.; 4-MeC6H4, C12H25, -, 148-9.degree.; 2-MeOC5H4, 4-MeOC6H4, -, 191-3.degree.; 4-NO2C6H4, Me, 60, 273.degree.; 4-MeC6H4, 4-ClC6H4, -, 276-8.degree.. 1-C10H7, Me -, 230.0-30.5; Br3CCH2, Me, 48, 116-7.degree.; 5-quinolyl, Me, 75, 262.degree.. I are intermediates for the prepn. of dyes and pharmaceuticals.					
IT	1467-74-9 , s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- 1467-75-0 , s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- 1467-76-1 , Acetophenone, 4'-[4-amino-6-(methylthio)-s-triazin-2-yl]-oxy] - 1637-36-1 , s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy) - 1637-37-2 , s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio) - 1839-07-2 , s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy) - 10409-69-5 , s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy - 10422-00-1 , s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy) - 13017-36-2 , Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy] - 13017-37-3 , s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy) - 13017-38-4 , s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy) - 13017-39-5 , s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio] - 13017-40-8 , s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy) - 13017-41-9 , s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy - 13166-40-0 , s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy) - (prepn. of)					
RN	1467-74-9 CAPLUS					
CN	s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)					



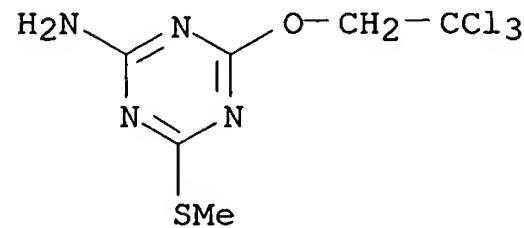
RN 1467-75-0 CAPLUS
 CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



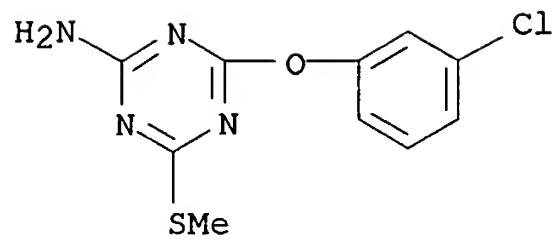
RN 1467-76-1 CAPLUS
 CN Acetophenone, 4'-[4-amino-6-(methylthio)-s-triazin-2-yl]oxy- (7CI, 8CI) (CA INDEX NAME)



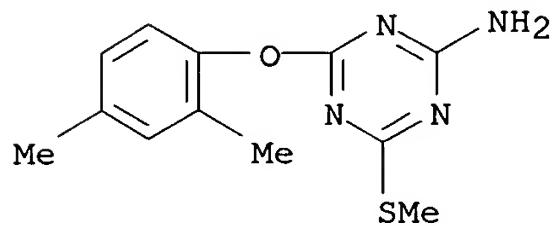
RN 1637-36-1 CAPLUS
 CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



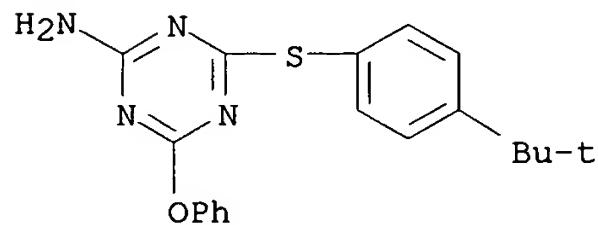
RN 1637-37-2 CAPLUS
 CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



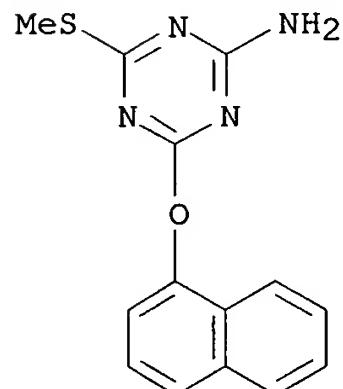
RN 1839-07-2 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



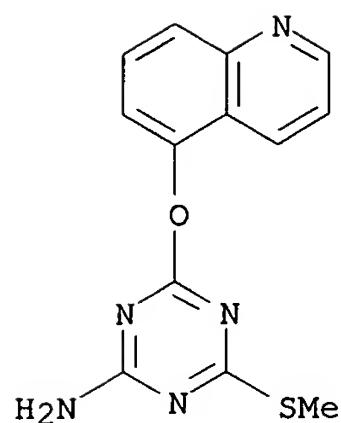
RN 10409-69-5 CAPLUS
CN s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



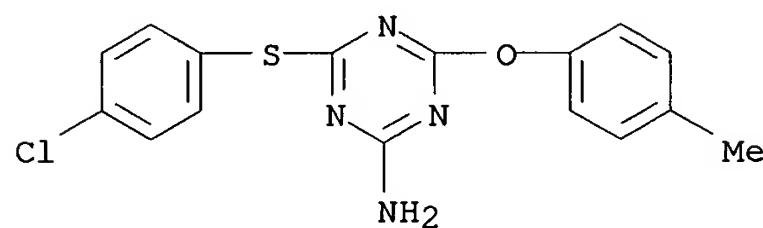
RN 10422-00-1 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- (7CI, 8CI) (CA INDEX NAME)



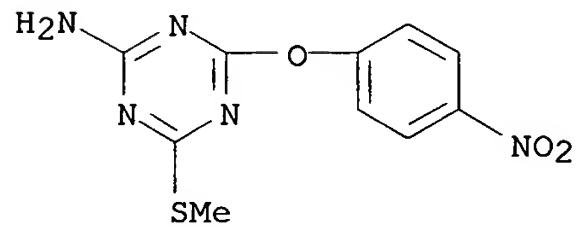
RN 13017-36-2 CAPLUS
CN Quinoline, 5-[(4-amino-6-(methylthio)-s-triazin-2-yl)oxy]- (7CI, 8CI) (CA INDEX NAME)



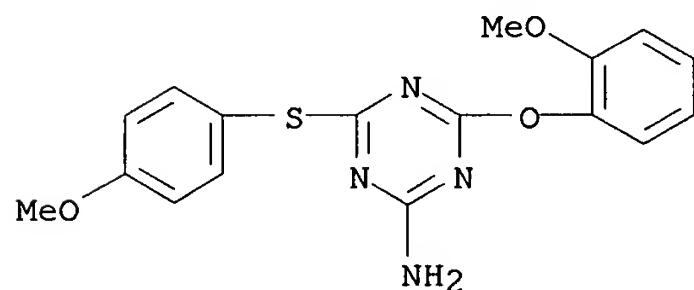
RN 13017-37-3 CAPLUS
CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI)
(CA INDEX NAME)



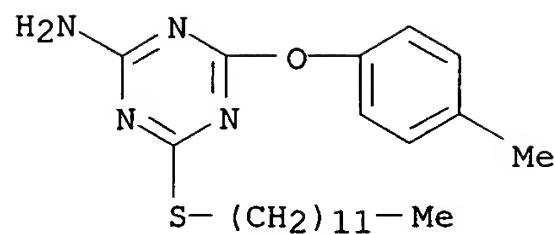
RN 13017-38-4 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy)- (7CI, 8CI) (CA INDEX NAME)



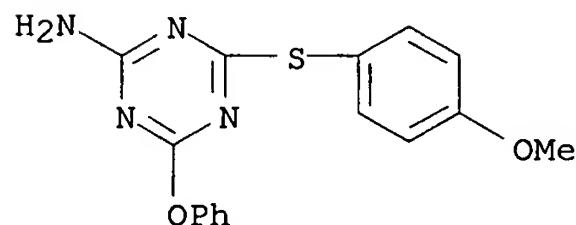
RN 13017-39-5 CAPLUS
CN s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio]- (7CI, 8CI) (CA INDEX NAME)



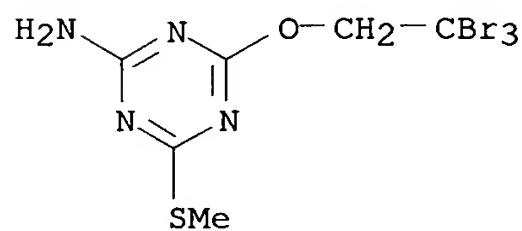
RN 13017-40-8 CAPLUS
CN s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



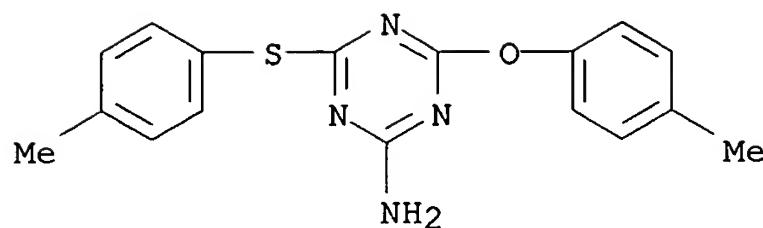
RN 13017-41-9 CAPLUS
CN s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



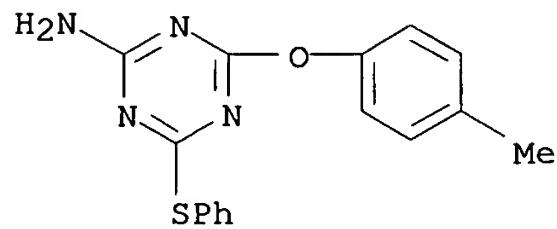
RN 13166-40-0 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI) (CA INDEX NAME)



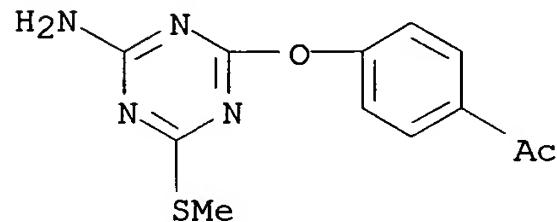
L4 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1965:90931 CAPLUS
 DN 62:90931
 OREF 62:16246d-g
 TI Chemistry of cyanic acid esters. VIII. Reaction of cyanic acid esters with ureas
 AU Grigat, Ernst; Puetter, Rolf
 CS Farbenfabriken Bayer A.-G., Leverkusen, Germany
 SO Chemische Berichte (1965), 98(4), 1168-72
 CODEN: CHBEAM; ISSN: 0009-2940
 DT Journal
 LA German
 OS CASREACT 62:90931
 AB cf. CA 62, 10430h. Aryl cyanates with thioureas yielded the corresponding thiocarbamides and cyanamides or carbodiimides, or with isothioureas and HN:C(NH₂)₂ (I), the corresponding 1,3,5-triazine derivs. Me₂NCONH₂ (20.8 g.) and 26.6 g. p-MeC₆H₄OCN in 50 cc. Me₂CO refluxed 1 hr. yielded 30 g. p-MeC₆H₄OCSNH₂ (II), m. 153.degree., and 16 g. Me₂NCO contg. 2-3 g. II. (PhNH)₂CS (10 g.), 6.5 g. 2,4-Me₂C₆H₃OCN (III), and 30 cc. Me₂CO refluxed 3.5 hrs., and the yellow oily cryst. paste (17.2 g.) stirred with about 100 cc. petr. ether yielded 7.5 g. 2,4-Me₂C₆H₃OCSNH₂, m. 139.degree., and 8.3 g. (Ph₂N)₂C. .omicron.-PhO₂CC₆H₄OCN (IV) (11.95 g.) and 7.6 g. PhNHCSNH₂ in 80 cc. xylene refluxed 40 min. yielded 6 g. 2-mercapto-4H-1,3-benzoxazin-4-one, m. 253-4.degree.. S-Methylisothiouronium sulfate (V) (9.4 g.), 50 cc. H₂O, and 50 cc. EtOH treated with 15.3 g. m-C₁C₆H₄OCN and then dropwise at 20-5.degree. with 5.3 g. Na₂CO₃ in 50 cc. H₂O gave 10 g. 2-amino-4-(m-chlorophenoxy)-6-methylthio-1,3,5-triazine, m. 199-201.degree. (EtOH). Similarly were prep'd. the following VI (R, R', and m.p. given): 2,4-Me₂C₆H₃, Me, 211-12.degree.; CCl₃CH₂, Me, 116.degree.; p-AcC₆H₄, Me, 254-5.degree.; p-MeC₆H₄, Ph, 193.degree.; p-MeC₆H₄, p-MeC₆H₄, 229.degree.. V (18.8 g.) and 17.7 g. .omicron.-MeO₂CC₆H₄OCN in 100 cc. H₂O and 100 cc. EtOH treated dropwise at room temp. with 4 g. NaOH in 25 cc. H₂O gave 10 g. 2-[S-methylisothioureido]-4H-1,3-benzoxazin-4-one, m. 213-14.degree. (dioxane). I sulfate (5.4 g.) and 11.1 g. III in 50 cc. H₂O and 30 cc. Me₂CO treated dropwise slowly at -10.degree. with 2 g. NaOH in 10 cc. H₂O and stirred 0.5 hr. at room temp. yielded 4 g. 2,4-diamino-6-(2,4-dimethylphenoxy)-1,3,5-triazine (VII), m. 280-1.degree. (EtOH). Dicyandiamide (8.4 g.) in 20 cc. Me₂CO and 20 cc. H₂O and 1 g. NaOH (as a concd. aq. soln.) stirred 20 min. at 0-5.degree. with 14.7 g. III yielded 12.1 g. VII, m. 279-80.degree.. Similarly were prep'd. the following VIII (R and m.p. given): p-MeC₆H₄, 288-9.degree.; .omicron.-MeC₆H₄, 231-2.degree.; Ph, 259-60.degree.; .omicron.-MeOC₆H₄, 267-8.degree.; CCl₃CH₂, 205-6.degree..
 IT 1467-74-9, s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)-
 1467-75-0, s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)-
 1467-76-1, Acetophenone, 4'-[4-amino-6-(methylthio)-s-triazin-2-yl]-oxy]- 1637-36-1, s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- 1637-37-2, s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- 1839-07-2, s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)-
 (prepn. of)
 RN 1467-74-9 CAPLUS
 CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



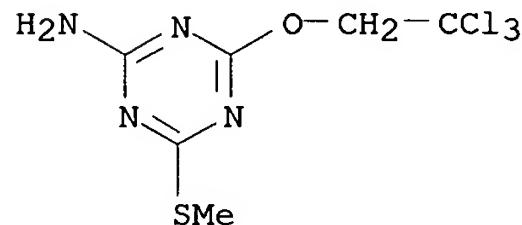
RN 1467-75-0 CAPLUS
 CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



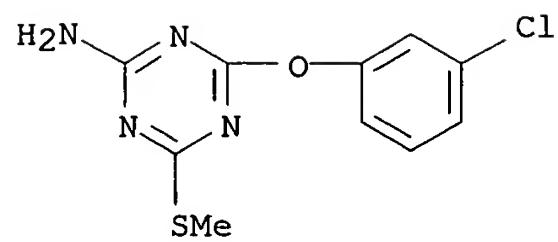
RN 1467-76-1 CAPLUS
 CN Acetophenone, 4' - [4-amino-6-(methylthio)-s-triazin-2-yl]oxy- (7CI, 8CI) (CA INDEX NAME)



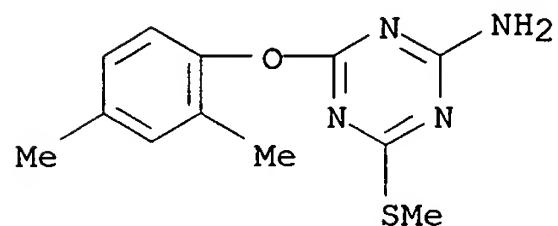
RN 1637-36-1 CAPLUS
 CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



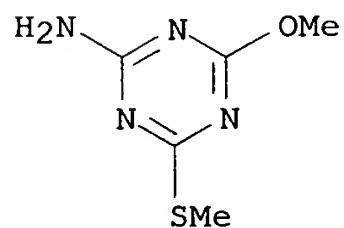
RN 1637-37-2 CAPLUS
 CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



RN 1839-07-2 CAPLUS
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)



L4 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1964:461673 CAPLUS
 DN 61:61673
 OREF 61:10682f-h,10683a
 TI Synthesis of 2-amino-4-hydroxy-1,3,5-triazines
 AU Flament, I.; Promel, R.; Martin, R. H.
 CS Univ. Libre, Brussels
 SO Bulletin des Societes Chimiques Belges (1964), 73(5-6), 585-91
 CODEN: BSCBAG; ISSN: 0037-9646
 DT Journal
 LA Unavailable
 AB 2-Amino-4-hydroxy-1,3,5-triazine (I), an analog of cytosine, was prep'd. from 2,4,6-trichloro-1,3,5-triazine. 2,4-Dichloro-6-methoxy-1,3,5-triazine (II) (10 g.) in 150 cc. abs. MeOH treated below 30.degree. with 30 cc. 9.7M NH₃-MeOH and stirred 0.5 hr. at 35.degree. yielded 7.9 g. 2-NH₂ analog (III) of II, m. above 350.degree. (C₆H₆ and sublimed at 140.degree./1 mm.). III (1 g.) and 0.7 g. NaSH in 40 cc. abs. MeOH refluxed 3 hrs. gave 0.75 g. 2-amino-4-mercapto-6-methoxy-1,3,5-triazine (IV), m. above 350.degree.. IV (0.7 g.) in 7 cc. H₂O contg. 0.18g. NaOH stirred 3 hrs. with 0.64 g. MeI gave 0.6 g. 4-MeS analog of IV, m. 196.5-97.degree. (cor.) (C₆H₆). III (0.7 g.) in 40 cc. dioxane treated at 50.degree. with 0.3 g. 5% Pd-C and 0.45 g. Et₃N and hydrogenated gave 0.45 g. 2-amino-4-methoxy-1,3,5-triazine (V), m. 184-5.degree. (cor.) (C₆H₆). IV (3 g.) and 2 cc. concd. NH₄OH in 30 cc. H₂O refluxed 1 hr. with stirring with 12 g. Raney Ni yielded 1.5 g. V, needles, m. 184-5.degree. (cor.) (sublimed at 100.degree./0.1 mm.). V (0.1 g.) in 0.3 cc. concd. HCl treated with 0.5 cc. abs. EtOH yielded 0.9 g. I, m. above 350.degree. (decompn.) (H₂O). The ultraviolet absorption max. of the various triazine derivs. are tabulated. I at nontoxic doses exhibits only a weak effect on sarcoma 180 and adenocarcinoma 755; it is without effect on leucemia 1210, but inhibits to a certain degree the growth of Escherichia coli.
 IT 30358-18-0, s-Triazine, 2-amino-4-methoxy-6-(methylthio)-
 (prepn. of)
 RN 30358-18-0 CAPLUS
 CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



=> d his

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FILE 'REGISTRY' ENTERED AT 18:05:13 ON 10 FEB 2004

L1 STRUCTURE UPLOADED

L2 2 S L1 SSS SAM

L3 41 S L1 SSS FUL

FILE 'CAPLUS' ENTERED AT 18:05:49 ON 10 FEB 2004

L4 19 S L3

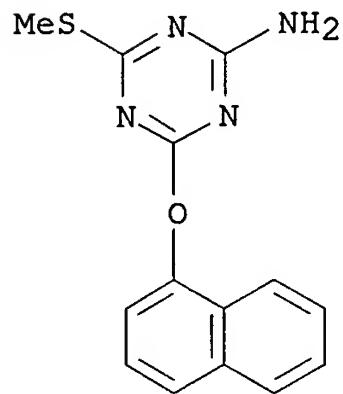
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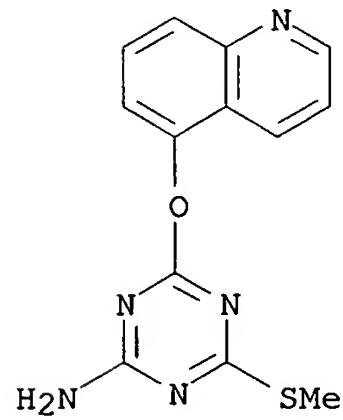
L5 4 L3

=> d 15 1-4 bib,hitstr

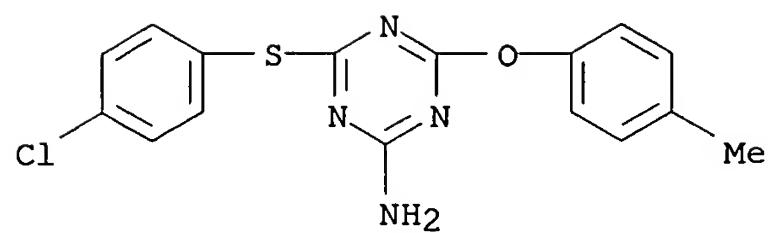
L5 ANSWER 1 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
 AN CA65:16986g CAOLD
 TI substituted s-triazines
 AU Acker, Donald S.
 DT Patent
 TI triazines (substituted)
 PA Du Pont de Nemours, E. I., & Co.
 DT Patent
 PATENT NO. KIND DATE
 ----- -----
 PI US 3267099 1966
 IT 10422-00-1 13017-36-2 13017-37-3
 13166-40-0
 RN 10422-00-1 CAOLD
 CN s-Triazine, 2-amino-4-(methylthio)-6-(1-naphthyloxy)- (7CI, 8CI) (CA INDEX NAME)



RN 13017-36-2 CAOLD
 CN Quinoline, 5-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)

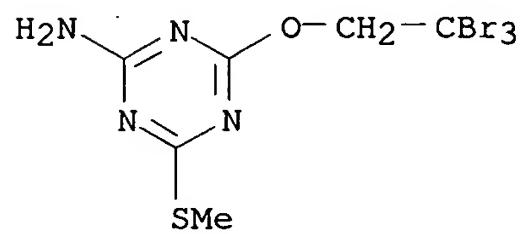


RN 13017-37-3 CAOLD
 CN s-Triazine, 2-amino-4-[(p-chlorophenyl)thio]-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)

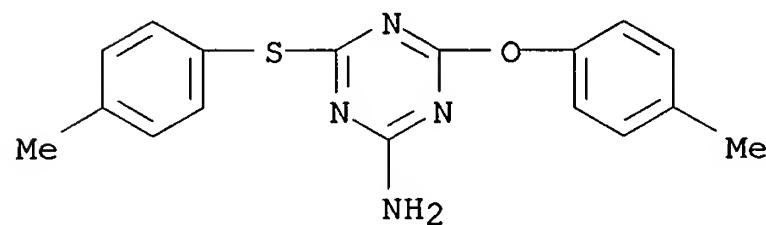


RN 13166-40-0 CAOLD

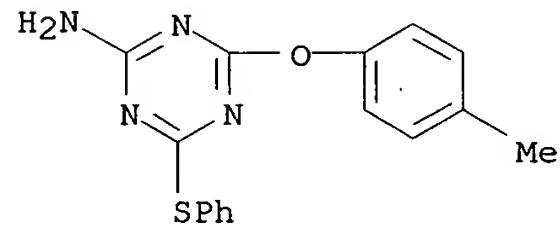
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-tribromoethoxy)- (7CI, 8CI)
(CA INDEX NAME)



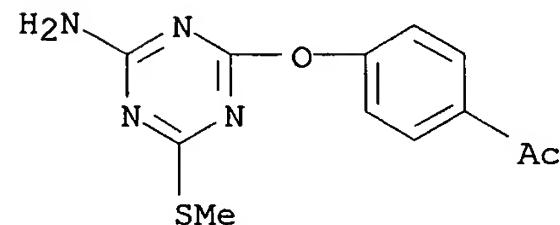
L5 ANSWER 2 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
 AN CA65:16986e CAOLD
 TI s-triazines (trisubstituted)
 PA Farbenfabriken Bayer A.-G.
 DT Patent
 TI trisubstituted s-triazines
 AU Grigat, Ernst; Puetter, R.
 DT Patent
 PATENT NO. KIND DATE
 ----- -----
 PI DE 1220860
 IT 1467-74-9 1467-75-0 1467-76-1
 1637-36-1 1637-37-2 1839-07-2
 10409-69-5 13017-38-4 13017-39-5
 13017-40-8 13017-41-9
 RN 1467-74-9 CAOLD
 CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



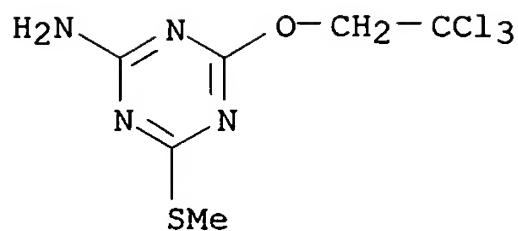
RN 1467-75-0 CAOLD
 CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



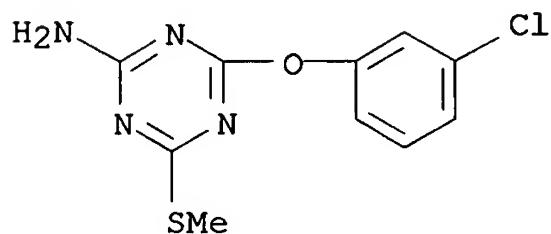
RN 1467-76-1 CAOLD
 CN Acetophenone, 4'-[[4-amino-6-(methylthio)-s-triazin-2-yl]oxy]- (7CI, 8CI) (CA INDEX NAME)



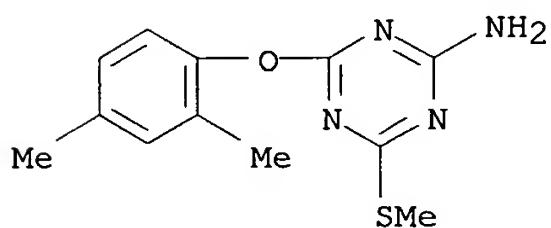
RN 1637-36-1 CAOLD
 CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI) (CA INDEX NAME)



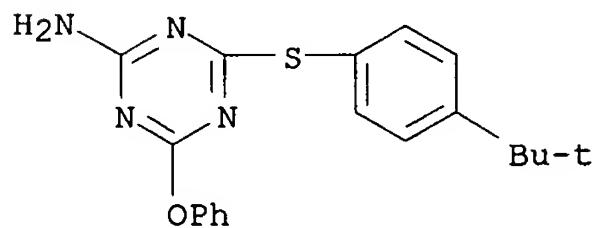
RN 1637-37-2 CAOLD
 CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



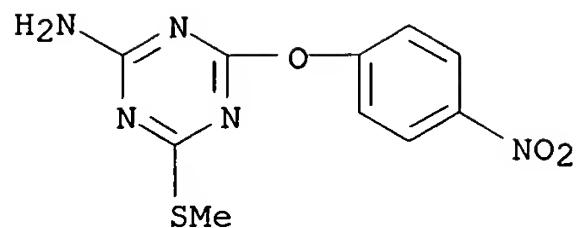
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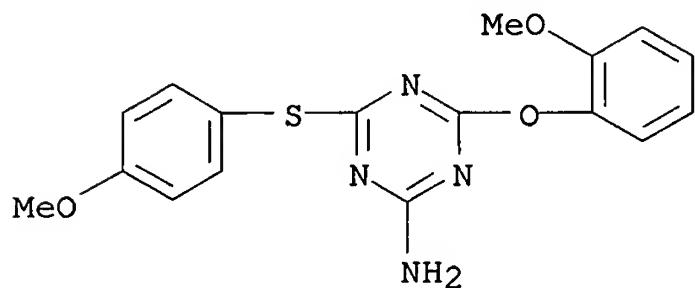
RN 10409-69-5 CAOLD
 CN s-Triazine, 2-amino-4-[(p-tert-butylphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



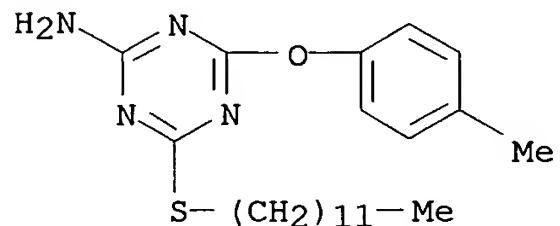
RN 13017-38-4 CAOLD
 CN s-Triazine, 2-amino-4-(methylthio)-6-(p-nitrophenoxy)- (7CI, 8CI) (CA INDEX NAME)



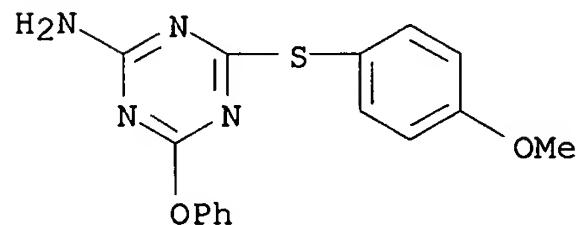
RN 13017-39-5 CAOLD
CN s-Triazine, 2-amino-4-(o-methoxyphenoxy)-6-[(p-methoxyphenyl)thio]- (7CI, 8CI) (CA INDEX NAME)



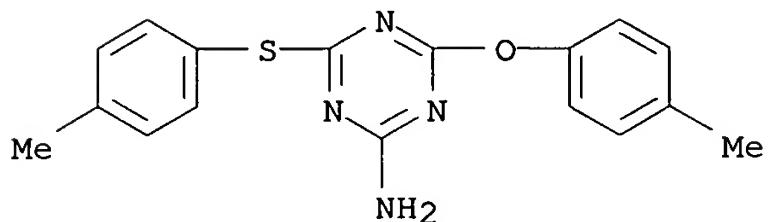
RN 13017-40-8 CAOLD
CN s-Triazine, 2-amino-4-(dodecylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



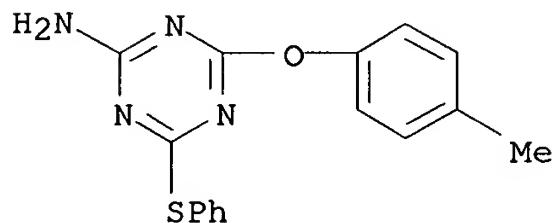
RN 13017-41-9 CAOLD
CN s-Triazine, 2-amino-4-[(p-methoxyphenyl)thio]-6-phenoxy- (7CI, 8CI) (CA INDEX NAME)



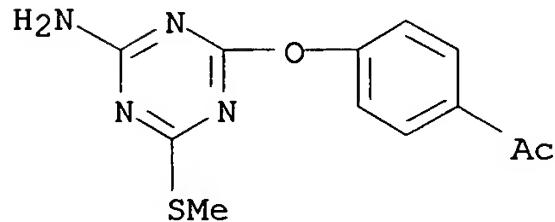
L5 ANSWER 3 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
 AN CA62:16246d CAOLD
 TI cyanic acid esters - (VIII) reaction of cyanic acid esters with ureas
 AU Grigat, Ernst; Puetter, R.
 IT 1467-74-9 1467-75-0 1467-76-1
 1637-36-1 1637-37-2 1839-07-2
 RN 1467-74-9 CAOLD
 CN s-Triazine, 2-amino-4-(p-tolyloxy)-6-(p-tolylthio)- (7CI, 8CI) (CA INDEX NAME)



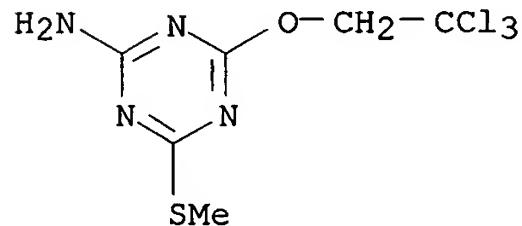
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 CN s-Triazine, 2-amino-4-(phenylthio)-6-(p-tolyloxy)- (7CI, 8CI) (CA INDEX NAME)



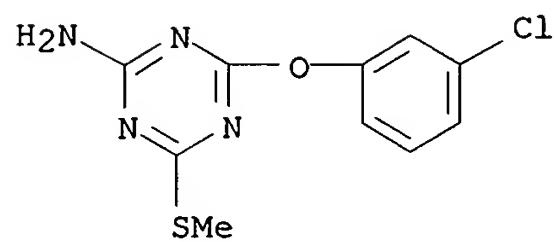
RN 1467-76-1 CAOLD
 CN Acetophenone, 4'-[4-amino-6-(methylthio)-s-triazin-2-yl]oxy- (7CI, 8CI)
 (CA INDEX NAME)



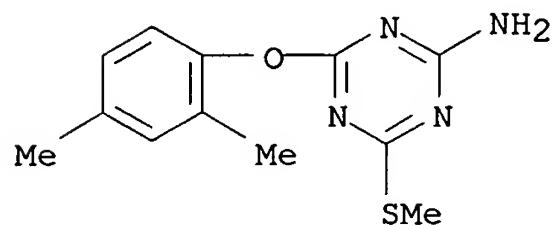
RN 1637-36-1 CAOLD
 CN s-Triazine, 2-amino-4-(methylthio)-6-(2,2,2-trichloroethoxy)- (7CI, 8CI)
 (CA INDEX NAME)



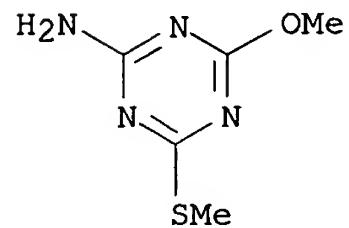
RN 1637-37-2 CAOLD
CN s-Triazine, 2-amino-4-(m-chlorophenoxy)-6-(methylthio)- (7CI, 8CI) (CA INDEX NAME)



RN 1839-07-2 CAOLD
CN s-Triazine, 2-amino-4-(methylthio)-6-(2,4-xylyloxy)- (7CI, 8CI) (CA INDEX NAME)

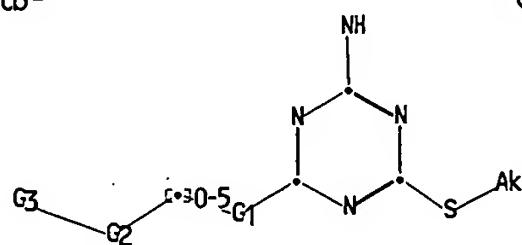
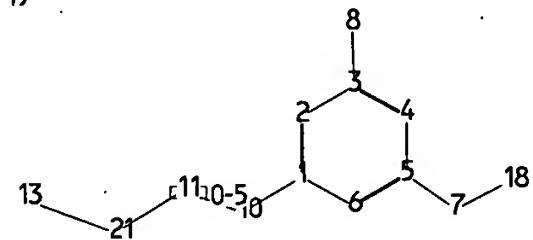


L5 ANSWER 4 OF 4 CAOLD COPYRIGHT 2004 ACS on STN
AN CA61:10682f CAOLD
TI synthesis of 2-amino-4-hydroxy-1,3,5-triazines
AU Flament, I.; Promel, R.; Martin, R. H.
IT 30358-18-0
RN 30358-18-0 CAOLD
CN 1,3,5-Triazin-2-amine, 4-methoxy-6-(methylthio)- (9CI) (CA INDEX NAME)



COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.34	257.78
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-13.17

STN INTERNATIONAL LOGOFF AT 18:06:58 ON 10 FEB 2004

$R^2 = H$ $\gamma^2 = \text{lower alkylene}$
 ΔO $\Phi = O/S/N$ $R^3 = \text{aryl}$
 ΔH_y G3^{a1}19^{a1}

chain nodes :

7 10 11 18 19 21

ring nodes :

1 2 3 4 5 6

ring/chain nodes :

8 13

chain bonds :

1-10 3-8 5-7 7-18 10-11 11-21 13-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-10 3-8 7-18 10-11 11-21 13-21

exact bonds :

5-7

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:C,O

G2:O,S,N,SO2

G3:Hy, [*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS
13:CLASS 18:CLASS 19:Atom 21:CLASS

Generic attributes :

19:

Saturation : Unsaturated